Appendix A

Air Quality, Greenhouse Gas Emission, and Energy Emissions Modeling Inputs and Outputs

A-1: CalEEMod Results

5th&Victoria Unmitigated Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	5th&Victoria Unmitigated
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	11.2
Location	34.1077227817881, -117.22516318655505
County	San Bernardino-South Coast
City	Highland
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5173
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	176	1000sqft	5.19	176,066	49,982	0.00	—	—
Parking Lot	118	Space	0.70	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	53.6	1000sqft	1.24	0.00	0.00	0.00	—	—
Other Non-Asphalt Surfaces	4.50	1000sqft	0.10	0.00	0.00	0.00	—	—
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Area Sources	AS-2	Use Low-VOC Paints

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.10	42.3	25.4	24.1	0.05	0.99	11.2	12.2	0.92	4.06	4.98	—	7,352	7,352	0.61	0.69	9.65	7,583
Mit.	3.10	42.3	25.4	24.1	0.05	0.99	4.78	5.77	0.92	1.75	2.67	—	7,352	7,352	0.61	0.69	9.65	7,583

% Reduced	—	—	—	—	—	—	58%	53%	—	57%	46%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.81	42.3	39.9	36.8	0.05	1.81	22.7	24.6	1.66	10.4	12.1	—	7,334	7,334	0.61	0.69	0.25	7,555
Mit.	4.81	42.3	39.9	36.8	0.05	1.81	8.62	10.4	1.66	4.07	5.73	—	7,334	7,334	0.61	0.69	0.25	7,555
% Reduced	—	—	—	—	—	—	62%	58%	—	61%	53%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.13	3.22	8.36	9.52	0.02	0.35	2.07	2.42	0.32	0.72	1.05	—	2,112	2,112	0.13	0.11	1.19	2,150
Mit.	1.13	3.22	8.36	9.52	0.02	0.35	1.02	1.37	0.32	0.34	0.67	—	2,112	2,112	0.13	0.11	1.19	2,150
% Reduced	—	—	—	—	—	—	51%	43%	—	52%	36%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.21	0.59	1.53	1.74	< 0.005	0.06	0.38	0.44	0.06	0.13	0.19	—	350	350	0.02	0.02	0.20	356
Mit.	0.21	0.59	1.53	1.74	< 0.005	0.06	0.19	0.25	0.06	0.06	0.12	—	350	350	0.02	0.02	0.20	356
% Reduced	—	—	—	—	—	—	51%	43%	—	52%	36%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	0.00	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	Yes	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	Yes	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	75.0	100	550	150	0.00	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	Yes	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	Yes	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	3.10	42.3	25.4	24.1	0.05	0.99	11.2	12.2	0.92	4.06	4.98	—	7,352	7,352	0.61	0.69	9.65	7,583
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.81	42.3	39.9	36.8	0.05	1.81	22.7	24.6	1.66	10.4	12.1	—	7,334	7,334	0.61	0.69	0.25	7,555
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.13	3.22	8.36	9.52	0.02	0.35	2.07	2.42	0.32	0.72	1.05	—	2,112	2,112	0.13	0.11	1.19	2,150
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.21	0.59	1.53	1.74	< 0.005	0.06	0.38	0.44	0.06	0.13	0.19	—	350	350	0.02	0.02	0.20	356

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	3.10	42.3	25.4	24.1	0.05	0.99	4.78	5.77	0.92	1.75	2.67	—	7,352	7,352	0.61	0.69	9.65	7,583

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.81	42.3	39.9	36.8	0.05	1.81	8.62	10.4	1.66	4.07	5.73	—	7,334	7,334	0.61	0.69	0.25	7,555
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.13	3.22	8.36	9.52	0.02	0.35	1.02	1.37	0.32	0.34	0.67	—	2,112	2,112	0.13	0.11	1.19	2,150
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.21	0.59	1.53	1.74	< 0.005	0.06	0.19	0.25	0.06	0.06	0.12	—	350	350	0.02	0.02	0.20	356

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.44	6.65	18.8	36.8	0.14	0.27	2.49	2.76	0.26	0.52	0.79	167	16,663	16,830	18.1	1.73	38.9	17,835
Mit.	3.44	6.43	18.8	36.8	0.14	0.27	2.49	2.76	0.26	0.52	0.79	167	16,663	16,830	18.1	1.73	38.9	17,835
% Reduced	—	3%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.04	5.35	19.2	26.5	0.13	0.26	2.49	2.75	0.25	0.52	0.77	167	16,408	16,575	18.1	1.73	1.01	17,543
Mit.	2.04	5.13	19.2	26.5	0.13	0.26	2.49	2.75	0.25	0.52	0.77	167	16,408	16,575	18.1	1.73	1.01	17,543
% Reduced	—	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.97	6.21	19.4	32.2	0.13	0.26	2.49	2.76	0.26	0.52	0.78	167	16,463	16,631	18.1	1.73	16.8	17,615

Mit.	2.97	5.99	19.4	32.2	0.13	0.26	2.49	2.76	0.26	0.52	0.78	167	16,463	16,631	18.1	1.73	16.8	17,615
% Reduced	—	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.54	1.13	3.55	5.88	0.02	0.05	0.45	0.50	0.05	0.10	0.14	27.7	2,726	2,753	2.99	0.29	2.78	2,916
Mit.	0.54	1.09	3.55	5.88	0.02	0.05	0.45	0.50	0.05	0.10	0.14	27.7	2,726	2,753	2.99	0.29	2.78	2,916
% Reduced	—	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.73	0.86	11.0	16.6	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,436	12,436	0.83	1.50	38.9	12,944

Area	1.36	5.48	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	3.44	6.65	18.8	36.8	0.14	0.27	2.49	2.76	0.26	0.52	0.79	167	16,663	16,830	18.1	1.73	38.9	17,835
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.68	0.82	11.5	14.0	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,212	12,212	0.84	1.51	1.01	12,684
Area	—	4.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	2.04	5.35	19.2	26.5	0.13	0.26	2.49	2.75	0.25	0.52	0.77	167	16,408	16,575	18.1	1.73	1.01	17,543
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.68	0.82	11.6	14.4	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,246	12,246	0.84	1.51	16.8	12,734
Area	0.93	5.09	0.04	5.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.6	21.6	< 0.005	< 0.005	—	21.6
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	2.97	6.21	19.4	32.2	0.13	0.26	2.49	2.76	0.26	0.52	0.78	167	16,463	16,631	18.1	1.73	16.8	17,615
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.31	0.15	2.13	2.64	0.02	0.03	0.45	0.48	0.03	0.10	0.12	—	2,027	2,027	0.14	0.25	2.78	2,108
Area	0.17	0.93	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58
Energy	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.03	< 0.005	—	374

Water	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7
Off-Road	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279
Total	0.54	1.13	3.55	5.88	0.02	0.05	0.45	0.50	0.05	0.10	0.14	27.7	2,726	2,753	2.99	0.29	2.78	2,916

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.73	0.86	11.0	16.6	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,436	12,436	0.83	1.50	38.9	12,944
Area	1.36	5.26	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	3.44	6.43	18.8	36.8	0.14	0.27	2.49	2.76	0.26	0.52	0.79	167	16,663	16,830	18.1	1.73	38.9	17,835
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.68	0.82	11.5	14.0	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,212	12,212	0.84	1.51	1.01	12,684
Area	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	2.04	5.13	19.2	26.5	0.13	0.26	2.49	2.75	0.25	0.52	0.77	167	16,408	16,575	18.1	1.73	1.01	17,543

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.68	0.82	11.6	14.4	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,246	12,246	0.84	1.51	16.8	12,734
Area	0.93	4.87	0.04	5.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.6	21.6	< 0.005	< 0.005	—	21.6
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	2.97	5.99	19.4	32.2	0.13	0.26	2.49	2.76	0.26	0.52	0.78	167	16,463	16,631	18.1	1.73	16.8	17,615
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.31	0.15	2.13	2.64	0.02	0.03	0.45	0.48	0.03	0.10	0.12	—	2,027	2,027	0.14	0.25	2.78	2,108
Area	0.17	0.89	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58
Energy	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.03	< 0.005	—	374
Water	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7
Off-Road	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279
Total	0.54	1.09	3.55	5.88	0.02	0.05	0.45	0.50	0.05	0.10	0.14	27.7	2,726	2,753	2.99	0.29	2.78	2,916

3. Construction Emissions Details

3.1. Demolition (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	2.84	27.3	23.5	0.03	1.20	—	1.20	1.10	—	1.10	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.82	0.82	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.50	1.29	< 0.005	0.07	—	0.07	0.06	—	0.06	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.83
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.13	0.13	< 0.005	< 0.005	< 0.005	0.14
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.11	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	215	215	0.01	0.01	0.03	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.10	0.01	0.94	0.51	< 0.005	0.01	0.05	0.06	0.01	0.02	0.03	—	715	715	0.08	0.11	0.04	751
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	12.0	12.0	< 0.005	< 0.005	0.02	12.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	39.2	39.2	< 0.005	0.01	0.04	41.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.98	1.98	< 0.005	< 0.005	< 0.005	2.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	0.01	6.81

3.2. Demolition (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	2.84	27.3	23.5	0.03	1.20	—	1.20	1.10	—	1.10	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.53	0.53	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.50	1.29	< 0.005	0.07	—	0.07	0.06	—	0.06	—	188	188	0.01	< 0.005	—	188

Demolitio	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.83
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolitio n	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.13	0.13	< 0.005	< 0.005	< 0.005	0.14
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.11	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	215	215	0.01	0.01	0.03	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.01	0.94	0.51	< 0.005	0.01	0.05	0.06	0.01	0.02	0.03	—	715	715	0.08	0.11	0.04	751
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	12.0	12.0	< 0.005	< 0.005	0.02	12.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	39.2	39.2	< 0.005	0.01	0.04	41.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.98	1.98	< 0.005	< 0.005	< 0.005	2.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	0.01	6.81

3.3. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.70	3.95	39.7	35.5	0.05	1.81	—	1.81	1.66	—	1.66	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.09	0.97	< 0.005	0.05	—	0.05	0.05	—	0.05	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1

Dust From Material Movemen	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.07
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.11	1.25	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	242	242	0.01	0.01	0.03	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.73	6.73	< 0.005	< 0.005	0.01	6.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.70	3.95	39.7	35.5	0.05	1.81	—	1.81	1.66	—	1.66	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.09	0.97	< 0.005	0.05	—	0.05	0.05	—	0.05	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.07
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.11	1.25	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	242	242	0.01	0.01	0.03	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.73	6.73	< 0.005	< 0.005	0.01	6.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968

Dust From Material Movemen	—	—	—	—	—	—	7.11	7.11	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.2	14.2	0.01	< 0.005	0.01	15.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968
Dust From Material Movemen	—	—	—	—	—	—	7.11	7.11	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.62	< 0.005	0.08	—	0.08	0.07	—	0.07	—	243	243	0.01	< 0.005	—	244
Dust From Material Movemen	—	—	—	—	—	—	0.58	0.58	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.3	40.3	< 0.005	< 0.005	—	40.4
Dust From Material Movemen	—	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.21

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	1.48	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	235	235	0.01	0.01	1.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.57	0.09	5.23	2.91	0.03	0.05	0.31	0.36	0.05	0.10	0.15	—	4,145	4,145	0.48	0.66	8.63	4,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.11	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	215	215	0.01	0.01	0.03	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.56	0.08	5.44	2.93	0.03	0.05	0.31	0.36	0.05	0.10	0.15	—	4,146	4,146	0.48	0.66	0.22	4,354
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	18.0	18.0	< 0.005	< 0.005	0.04	18.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.45	0.24	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	341	341	0.04	0.05	0.31	358
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.97	2.97	< 0.005	< 0.005	0.01	3.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	56.4	56.4	0.01	0.01	0.05	59.3

3.6. Grading (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.43	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.2	14.2	0.01	< 0.005	0.01	15.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.62	< 0.005	0.08	—	0.08	0.07	—	0.07	—	243	243	0.01	< 0.005	—	244
Dust From Material Movemen	—	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.3	40.3	< 0.005	< 0.005	—	40.4
Dust From Material Movemen	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.21
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	1.48	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	235	235	0.01	0.01	1.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.57	0.09	5.23	2.91	0.03	0.05	0.31	0.36	0.05	0.10	0.15	—	4,145	4,145	0.48	0.66	8.63	4,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.11	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	215	215	0.01	0.01	0.03	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.56	0.08	5.44	2.93	0.03	0.05	0.31	0.36	0.05	0.10	0.15	—	4,146	4,146	0.48	0.66	0.22	4,354
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	18.0	18.0	< 0.005	< 0.005	0.04	18.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.45	0.24	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	341	341	0.04	0.05	0.31	358
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.97	2.97	< 0.005	< 0.005	0.01	3.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	56.4	56.4	0.01	0.01	0.05	59.3

3.7. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.50	1.26	11.8	13.2	0.02	0.55	—	0.55	0.51	—	0.51	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.72	3.03	0.01	0.13	—	0.13	0.12	—	0.12	—	552	552	0.02	< 0.005	—	554
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.50	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	91.3	91.3	< 0.005	< 0.005	—	91.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.41	0.39	6.85	0.00	0.00	0.06	0.06	0.00	0.00	0.00	—	1,087	1,087	0.04	0.04	4.66	1,104
Vendor	0.11	0.03	1.13	0.61	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	951	951	0.08	0.14	2.62	997
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.09	0.11	1.25	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	232	232	0.01	0.01	0.46	236
Vendor	0.02	0.01	0.27	0.14	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	219	219	0.02	0.03	0.26	229
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	38.5	38.5	< 0.005	< 0.005	0.08	39.0
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	36.2	36.2	< 0.005	0.01	0.04	37.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.50	1.26	11.8	13.2	0.02	0.55	—	0.55	0.51	—	0.51	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.72	3.03	0.01	0.13	—	0.13	0.12	—	0.12	—	552	552	0.02	< 0.005	—	554
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.50	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	91.3	91.3	< 0.005	< 0.005	—	91.7

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.41	0.39	6.85	0.00	0.00	0.06	0.06	0.00	0.00	0.00	—	1,087	1,087	0.04	0.04	4.66	1,104
Vendor	0.11	0.03	1.13	0.61	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	951	951	0.08	0.14	2.62	997
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.11	1.25	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	232	232	0.01	0.01	0.46	236
Vendor	0.02	0.01	0.27	0.14	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	219	219	0.02	0.03	0.26	229
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	38.5	38.5	< 0.005	< 0.005	0.08	39.0
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	36.2	36.2	< 0.005	0.01	0.04	37.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.04	0.88	8.06	10.0	0.01	0.41	—	0.41	0.38	—	0.38	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	1.48	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	235	235	0.01	0.01	1.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	12.0	12.0	< 0.005	< 0.005	0.02	12.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.98	1.98	< 0.005	< 0.005	< 0.005	2.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	0.88	8.06	10.0	0.01	0.41	—	0.41	0.38	—	0.38	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	1.48	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	235	235	0.01	0.01	1.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	12.0	12.0	< 0.005	< 0.005	0.02	12.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.98	1.98	< 0.005	< 0.005	< 0.005	2.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	0.93	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	0.93	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	2.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	1.48	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	235	235	0.01	0.01	1.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.11	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	215	215	0.01	0.01	0.03	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	12.0	12.0	< 0.005	< 0.005	0.02	12.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.98	1.98	< 0.005	< 0.005	< 0.005	2.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	0.93	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	0.93	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	2.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	1.48	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	235	235	0.01	0.01	1.01	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.11	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	215	215	0.01	0.01	0.03	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	12.0	12.0	< 0.005	< 0.005	0.02	12.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.98	1.98	< 0.005	< 0.005	< 0.005	2.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.70	0.64	0.58	10.9	0.03	0.01	0.98	0.99	0.01	0.17	0.18	—	2,786	2,786	0.06	0.06	10.9	2,816
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.03	0.23	10.4	5.77	0.09	0.15	1.51	1.66	0.14	0.36	0.50	—	9,650	9,650	0.78	1.45	28.0	10,128
Total	1.73	0.86	11.0	16.6	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,436	12,436	0.83	1.50	38.9	12,944
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.66	0.60	0.65	8.24	0.03	0.01	0.98	0.99	0.01	0.17	0.18	—	2,560	2,560	0.06	0.06	0.28	2,581
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.02	0.22	10.8	5.77	0.09	0.15	1.51	1.66	0.14	0.36	0.50	—	9,652	9,652	0.78	1.45	0.73	10,103
Total	1.68	0.82	11.5	14.0	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,212	12,212	0.84	1.51	1.01	12,684
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.12	0.11	0.12	1.59	< 0.005	< 0.005	0.18	0.18	< 0.005	0.03	0.03	—	430	430	0.01	0.01	0.78	434
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.19	0.04	2.00	1.05	0.02	0.03	0.28	0.30	0.03	0.07	0.09	—	1,598	1,598	0.13	0.24	2.00	1,674
Total	0.31	0.15	2.13	2.64	0.02	0.03	0.45	0.48	0.03	0.10	0.12	—	2,027	2,027	0.14	0.25	2.78	2,108

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	0.70	0.64	0.58	10.9	0.03	0.01	0.98	0.99	0.01	0.17	0.18	—	2,786	2,786	0.06	0.06	10.9	2,816
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.03	0.23	10.4	5.77	0.09	0.15	1.51	1.66	0.14	0.36	0.50	—	9,650	9,650	0.78	1.45	28.0	10,128
Total	1.73	0.86	11.0	16.6	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,436	12,436	0.83	1.50	38.9	12,944
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.66	0.60	0.65	8.24	0.03	0.01	0.98	0.99	0.01	0.17	0.18	—	2,560	2,560	0.06	0.06	0.28	2,581
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.02	0.22	10.8	5.77	0.09	0.15	1.51	1.66	0.14	0.36	0.50	—	9,652	9,652	0.78	1.45	0.73	10,103
Total	1.68	0.82	11.5	14.0	0.11	0.16	2.49	2.65	0.15	0.52	0.67	—	12,212	12,212	0.84	1.51	1.01	12,684
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	0.12	0.11	0.12	1.59	< 0.005	< 0.005	0.18	0.18	< 0.005	0.03	0.03	—	430	430	0.01	0.01	0.78	434
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.19	0.04	2.00	1.05	0.02	0.03	0.28	0.30	0.03	0.07	0.09	—	1,598	1,598	0.13	0.24	2.00	1,674
Total	0.31	0.15	2.13	2.64	0.02	0.03	0.45	0.48	0.03	0.10	0.12	—	2,027	2,027	0.14	0.25	2.78	2,108

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	777	777	0.07	0.01	—	781
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.5	25.5	< 0.005	< 0.005	—	25.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.04	< 0.005	—	377
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,177	1,177	0.11	0.01	—	1,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	777	777	0.07	0.01	—	781
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.5	25.5	< 0.005	< 0.005	—	25.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.04	< 0.005	—	377
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,177	1,177	0.11	0.01	—	1,184
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	129	129	0.01	< 0.005	—	129
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.22	4.22	< 0.005	< 0.005	—	4.25
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	62.1	62.1	0.01	< 0.005	—	62.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	195	195	0.02	< 0.005	—	196

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	777	777	0.07	0.01	—	781
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.5	25.5	< 0.005	< 0.005	—	25.7

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.04	< 0.005	—	377
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,177	1,177	0.11	0.01	—	1,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	777	777	0.07	0.01	—	781
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.5	25.5	< 0.005	< 0.005	—	25.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.04	< 0.005	—	377
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,177	1,177	0.11	0.01	—	1,184
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	129	129	0.01	< 0.005	—	129
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.22	4.22	< 0.005	< 0.005	—	4.25
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	62.1	62.1	0.01	< 0.005	—	62.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	195	195	0.02	< 0.005	—	196

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.02	< 0.005	—	178
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.02	< 0.005	—	178

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.02	< 0.005	—	178
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.02	< 0.005	—	178

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.36	1.26	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Total	1.36	5.48	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	4.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.17	0.16	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58
Total	0.17	0.93	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.36	1.26	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Total	1.36	5.26	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	3.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.17	0.16	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58
Total	0.17	0.89	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279
Total	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279
Total	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	2/1/2023	3/1/2023	5.00	20.0	—
Site Preparation	Site Preparation	3/2/2023	3/16/2023	5.00	10.0	—
Grading	Grading	3/17/2023	4/27/2023	5.00	30.0	—
Building Construction	Building Construction	4/28/2023	8/23/2023	5.00	84.0	—
Paving	Paving	8/24/2023	9/20/2023	5.00	20.0	—
Architectural Coating	Architectural Coating	9/21/2023	10/18/2023	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	18.5	LDA,LDT1,LDT2

Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	10.0	20.0	HHDT
Demolition	Onsite truck	4.00	0.50	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.50	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	58.0	20.0	HHDT
Grading	Onsite truck	4.00	0.50	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	74.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	30.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	16.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT

Architectural Coating	Onsite truck	0.00	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	10.0	20.0	HHDT
Demolition	Onsite truck	4.00	0.50	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.50	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	58.0	20.0	HHDT
Grading	Onsite truck	4.00	0.50	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	74.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	30.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	16.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	264,099	88,033	5,332

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	761	—
Site Preparation	0.00	0.00	15.0	0.00	—
Grading	13,680	0.00	30.0	0.00	—
Paving	0.00	0.00	0.00	0.00	2.04

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	0.70	100%
Other Asphalt Surfaces	1.24	100%
Other Non-Asphalt Surfaces	0.10	0%
User Defined Industrial	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	349	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	218	218	218	79,687	3,678	3,678	3,678	1,342,566
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	83.0	83.0	83.0	30,295	3,320	3,320	3,320	1,211,800

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	218	218	218	79,687	3,678	3,678	3,678	1,342,566
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	83.0	83.0	83.0	30,295	3,320	3,320	3,320	1,211,800

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	264,099	88,033	5,332

5.10.3. Landscape Equipment

Season	Unit	Value

Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	813,197	349	0.0330	0.0040	3,347,134
Parking Lot	26,711	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	813,197	349	0.0330	0.0040	3,347,134
Parking Lot	26,711	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

User Defined Industrial	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	40,715,263	802,667
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	40,715,263	802,667
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	166	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	166	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	11.0	8.00	82.0	0.20
Forklifts	Diesel	Tier 4 Interim	11.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	11.0	8.00	82.0	0.20
Forklifts	Diesel	Tier 4 Interim	11.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

8. User Changes to Default Data

Screen	Justification
Land Use	Lot acreage includes landscape area. Total acreage = 7.23 User defined industrial set for HD trucks
Construction: Construction Phases	Applicant provided schedule - Feb 2023 through October 2023
Operations: Vehicle Data	Trip rate under warehouse for passenger vehicles only. User defined industrial trip rate for trucks.
Operations: Fleet Mix	Fleet mix adjusted for passenger vehicles for workers at warehouse and for truck trips at warehouse.
Operations: Off-Road Equipment	Assumed every day use

Construction: Trips and VMT	Assumed even number of one-way trips. Assumed on-site water truck that waters 2x per day.
Construction: Architectural Coatings	SCAQMD Rule 1113
Operations: Refrigerants	No cold storage

5th&Victoria LST Unmitigated Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	5th&Victoria LST Unmitigated
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	11.2
Location	34.1077227817881, -117.22516318655505
County	San Bernardino-South Coast
City	Highland
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5173
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	176	1000sqft	5.19	176,066	49,982	0.00	—	—
Parking Lot	118	Space	0.70	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	53.6	1000sqft	1.24	0.00	0.00	0.00	—	—
Other Non-Asphalt Surfaces	4.50	1000sqft	0.10	0.00	0.00	0.00	—	—
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Area Sources	AS-2	Use Low-VOC Paints

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.62	42.3	20.9	20.6	0.03	0.94	9.98	10.9	0.87	3.72	4.59	—	3,134	3,134	0.20	0.05	0.14	3,155
Mit.	2.62	42.3	20.9	20.6	0.03	0.94	3.51	4.45	0.87	1.41	2.28	—	3,134	3,134	0.20	0.05	0.14	3,155

% Reduced	—	—	—	—	—	—	65%	59%	—	62%	50%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.78	42.3	39.8	35.7	0.05	1.81	22.5	24.3	1.66	10.4	12.0	—	5,316	5,316	0.22	0.05	< 0.005	5,336
Mit.	4.78	42.3	39.8	35.7	0.05	1.81	8.39	10.2	1.66	4.01	5.67	—	5,316	5,316	0.22	0.05	< 0.005	5,336
% Reduced	—	—	—	—	—	—	63%	58%	—	61%	53%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.03	3.19	7.63	7.91	0.01	0.34	1.64	1.99	0.32	0.61	0.93	—	1,255	1,255	0.07	0.02	0.02	1,262
Mit.	1.03	3.19	7.63	7.91	0.01	0.34	0.59	0.94	0.32	0.24	0.55	—	1,255	1,255	0.07	0.02	0.02	1,262
% Reduced	—	—	—	—	—	—	64%	53%	—	62%	41%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.58	1.39	1.44	< 0.005	0.06	0.30	0.36	0.06	0.11	0.17	—	208	208	0.01	< 0.005	< 0.005	209
Mit.	0.19	0.58	1.39	1.44	< 0.005	0.06	0.11	0.17	0.06	0.04	0.10	—	208	208	0.01	< 0.005	< 0.005	209
% Reduced	—	—	—	—	—	—	64%	53%	—	62%	41%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	0.00	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	Yes	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	Yes	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	75.0	100	550	150	0.00	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	Yes	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	Yes	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.62	42.3	20.9	20.6	0.03	0.94	9.98	10.9	0.87	3.72	4.59	—	3,134	3,134	0.20	0.05	0.14	3,155
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.78	42.3	39.8	35.7	0.05	1.81	22.5	24.3	1.66	10.4	12.0	—	5,316	5,316	0.22	0.05	< 0.005	5,336
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.03	3.19	7.63	7.91	0.01	0.34	1.64	1.99	0.32	0.61	0.93	—	1,255	1,255	0.07	0.02	0.02	1,262
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.19	0.58	1.39	1.44	< 0.005	0.06	0.30	0.36	0.06	0.11	0.17	—	208	208	0.01	< 0.005	< 0.005	209

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.62	42.3	20.9	20.6	0.03	0.94	3.51	4.45	0.87	1.41	2.28	—	3,134	3,134	0.20	0.05	0.14	3,155

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.78	42.3	39.8	35.7	0.05	1.81	8.39	10.2	1.66	4.01	5.67	—	5,316	5,316	0.22	0.05	< 0.005	5,336
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.03	3.19	7.63	7.91	0.01	0.34	0.59	0.94	0.32	0.24	0.55	—	1,255	1,255	0.07	0.02	0.02	1,262
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.19	0.58	1.39	1.44	< 0.005	0.06	0.11	0.17	0.06	0.04	0.10	—	208	208	0.01	< 0.005	< 0.005	209

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.38	6.37	8.83	22.4	0.02	0.11	0.02	0.14	0.12	< 0.005	0.12	167	4,466	4,633	17.3	0.27	0.34	5,146
Mit.	2.38	6.15	8.83	22.4	0.02	0.11	0.02	0.14	0.12	< 0.005	0.12	167	4,466	4,633	17.3	0.27	0.34	5,146
% Reduced	—	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.99	5.08	8.81	15.0	0.02	0.10	0.02	0.13	0.10	< 0.005	0.11	167	4,433	4,600	17.3	0.27	0.01	5,113
Mit.	0.99	4.86	8.81	15.0	0.02	0.10	0.02	0.13	0.10	< 0.005	0.11	167	4,433	4,600	17.3	0.27	0.01	5,113
% Reduced	—	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.92	5.94	8.84	20.2	0.02	0.11	0.02	0.13	0.11	< 0.005	0.12	167	4,454	4,622	17.3	0.27	0.15	5,134

Mit.	1.92	5.71	8.84	20.2	0.02	0.11	0.02	0.13	0.11	< 0.005	0.12	167	4,454	4,622	17.3	0.27	0.15	5,134
% Reduced	—	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.35	1.08	1.61	3.69	< 0.005	0.02	< 0.005	0.02	0.02	< 0.005	0.02	27.7	737	765	2.87	0.04	0.02	850
Mit.	0.35	1.04	1.61	3.69	< 0.005	0.02	< 0.005	0.02	0.02	< 0.005	0.02	27.7	737	765	2.87	0.04	0.02	850
% Reduced	—	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.67	0.58	1.02	2.22	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	239	239	0.10	0.04	0.34	255

Area	1.36	5.48	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	2.38	6.37	8.83	22.4	0.02	0.11	0.02	0.14	0.12	< 0.005	0.12	167	4,466	4,633	17.3	0.27	0.34	5,146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.63	0.55	1.07	2.46	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	237	237	0.10	0.04	0.01	253
Area	—	4.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.99	5.08	8.81	15.0	0.02	0.10	0.02	0.13	0.10	< 0.005	0.11	167	4,433	4,600	17.3	0.27	0.01	5,113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.63	0.54	1.05	2.45	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	237	237	0.10	0.04	0.15	253
Area	0.93	5.09	0.04	5.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.6	21.6	< 0.005	< 0.005	—	21.6
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	1.92	5.94	8.84	20.2	0.02	0.11	0.02	0.13	0.11	< 0.005	0.12	167	4,454	4,622	17.3	0.27	0.15	5,134
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.11	0.10	0.19	0.45	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	39.2	39.2	0.02	0.01	0.02	41.9
Area	0.17	0.93	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58
Energy	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.03	< 0.005	—	374

Water	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7
Off-Road	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279
Total	0.35	1.08	1.61	3.69	< 0.005	0.02	< 0.005	0.02	0.02	< 0.005	0.02	27.7	737	765	2.87	0.04	0.02	850

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.67	0.58	1.02	2.22	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	239	239	0.10	0.04	0.34	255
Area	1.36	5.26	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	2.38	6.15	8.83	22.4	0.02	0.11	0.02	0.14	0.12	< 0.005	0.12	167	4,466	4,633	17.3	0.27	0.34	5,146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.63	0.55	1.07	2.46	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	237	237	0.10	0.04	0.01	253
Area	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.99	4.86	8.81	15.0	0.02	0.10	0.02	0.13	0.10	< 0.005	0.11	167	4,433	4,600	17.3	0.27	0.01	5,113

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.63	0.54	1.05	2.45	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	237	237	0.10	0.04	0.15	253
Area	0.93	4.87	0.04	5.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.6	21.6	< 0.005	< 0.005	—	21.6
Energy	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	2,250	2,250	0.21	0.02	—	2,260
Water	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Waste	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Off-Road	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	1.92	5.71	8.84	20.2	0.02	0.11	0.02	0.13	0.11	< 0.005	0.12	167	4,454	4,622	17.3	0.27	0.15	5,134
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.11	0.10	0.19	0.45	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	39.2	39.2	0.02	0.01	0.02	41.9
Area	0.17	0.89	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58
Energy	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.03	< 0.005	—	374
Water	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100
Waste	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7
Off-Road	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279
Total	0.35	1.04	1.61	3.69	< 0.005	0.02	< 0.005	0.02	0.02	< 0.005	0.02	27.7	737	765	2.87	0.04	0.02	850

3. Construction Emissions Details

3.1. Demolition (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	2.84	27.3	23.5	0.03	1.20	—	1.20	1.10	—	1.10	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.82	0.82	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.50	1.29	< 0.005	0.07	—	0.07	0.06	—	0.06	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.83
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.13	0.13	< 0.005	< 0.005	< 0.005	0.14
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.01	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.89	5.89	< 0.005	< 0.005	< 0.005	6.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.02	0.01	0.15	0.13	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	27.1	27.1	0.01	< 0.005	< 0.005	28.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.48	1.48	< 0.005	< 0.005	< 0.005	1.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.26

3.2. Demolition (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.39	2.84	27.3	23.5	0.03	1.20	—	1.20	1.10	—	1.10	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.53	0.53	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.50	1.29	< 0.005	0.07	—	0.07	0.06	—	0.06	—	188	188	0.01	< 0.005	—	188

Demolitio	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.83
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolitio n	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.13	0.13	< 0.005	< 0.005	< 0.005	0.14
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.01	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.89	5.89	< 0.005	< 0.005	< 0.005	6.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.15	0.13	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	27.1	27.1	0.01	< 0.005	< 0.005	28.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.48	1.48	< 0.005	< 0.005	< 0.005	1.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.26

3.3. Site Preparation (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.70	3.95	39.7	35.5	0.05	1.81	—	1.81	1.66	—	1.66	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.09	0.97	< 0.005	0.05	—	0.05	0.05	—	0.05	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1

Dust From Material Movemen	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.07
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.02	0.22	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.62	6.62	< 0.005	< 0.005	< 0.005	7.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.70	3.95	39.7	35.5	0.05	1.81	—	1.81	1.66	—	1.66	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.09	0.97	< 0.005	0.05	—	0.05	0.05	—	0.05	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.41
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.07
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.02	0.22	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.62	6.62	< 0.005	< 0.005	< 0.005	7.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.20
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968

Dust From Material Movemen	—	—	—	—	—	—	7.11	7.11	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.2	14.2	0.01	< 0.005	0.01	15.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968
Dust From Material Movemen	—	—	—	—	—	—	7.11	7.11	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.62	< 0.005	0.08	—	0.08	0.07	—	0.07	—	243	243	0.01	< 0.005	—	244
Dust From Material Movemen	—	—	—	—	—	—	0.58	0.58	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.3	40.3	< 0.005	< 0.005	—	40.4
Dust From Material Movemen	—	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.21

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.01	0.17	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.10	6.10	< 0.005	< 0.005	0.01	6.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.04	0.86	0.71	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	156	156	0.07	0.03	0.11	165
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.01	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.89	5.89	< 0.005	< 0.005	< 0.005	6.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	0.90	0.73	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	157	157	0.07	0.03	< 0.005	167
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	0.01	< 0.005	< 0.005	13.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.13	2.13	< 0.005	< 0.005	< 0.005	2.26

3.6. Grading (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.43	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.2	14.2	0.01	< 0.005	0.01	15.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.3	14.3	0.01	< 0.005	< 0.005	15.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.62	< 0.005	0.08	—	0.08	0.07	—	0.07	—	243	243	0.01	< 0.005	—	244
Dust From Material Movemen	—	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.3	40.3	< 0.005	< 0.005	—	40.4
Dust From Material Movemen	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.21
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.01	0.17	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.10	6.10	< 0.005	< 0.005	0.01	6.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.04	0.86	0.71	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	156	156	0.07	0.03	0.11	165
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.01	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.89	5.89	< 0.005	< 0.005	< 0.005	6.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	0.90	0.73	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	157	157	0.07	0.03	< 0.005	167
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	0.01	< 0.005	< 0.005	13.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.13	2.13	< 0.005	< 0.005	< 0.005	2.26

3.7. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.50	1.26	11.8	13.2	0.02	0.55	—	0.55	0.51	—	0.51	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.72	3.03	0.01	0.13	—	0.13	0.12	—	0.12	—	552	552	0.02	< 0.005	—	554
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.50	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	91.3	91.3	< 0.005	< 0.005	—	91.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.06	0.78	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	28.2	28.2	0.02	0.01	0.06	30.7
Vendor	0.03	0.01	0.31	0.23	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	56.1	56.1	0.02	0.01	0.06	59.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.07	0.02	0.21	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.31	6.31	< 0.005	< 0.005	0.01	6.90
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.04	1.04	< 0.005	< 0.005	< 0.005	1.14
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.26
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.50	1.26	11.8	13.2	0.02	0.55	—	0.55	0.51	—	0.51	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.72	3.03	0.01	0.13	—	0.13	0.12	—	0.12	—	552	552	0.02	< 0.005	—	554
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.50	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	91.3	91.3	< 0.005	< 0.005	—	91.7

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.06	0.78	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	28.2	28.2	0.02	0.01	0.06	30.7
Vendor	0.03	0.01	0.31	0.23	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	56.1	56.1	0.02	0.01	0.06	59.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.02	0.21	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.31	6.31	< 0.005	< 0.005	0.01	6.90
Vendor	0.01	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.04	1.04	< 0.005	< 0.005	< 0.005	1.14
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.26
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.04	0.88	8.06	10.0	0.01	0.41	—	0.41	0.38	—	0.38	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.72	5.72	< 0.005	< 0.005	0.01	6.22
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	0.88	8.06	10.0	0.01	0.41	—	0.41	0.38	—	0.38	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.72	5.72	< 0.005	< 0.005	0.01	6.22
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	0.93	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	0.93	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	2.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.01	0.17	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.10	6.10	< 0.005	< 0.005	0.01	6.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.01	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.89	5.89	< 0.005	< 0.005	< 0.005	6.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2023) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	0.93	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	0.93	1.15	< 0.005	0.04	—	0.04	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	42.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	2.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.01	0.17	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.10	6.10	< 0.005	< 0.005	0.01	6.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.01	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.89	5.89	< 0.005	< 0.005	< 0.005	6.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.32	0.32	< 0.005	< 0.005	< 0.005	0.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.55	0.53	0.14	1.47	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	78.4	78.4	0.03	0.02	0.16	84.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.12	0.05	0.88	0.75	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	160	160	0.07	0.03	0.18	170
Total	0.67	0.58	1.02	2.22	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	239	239	0.10	0.04	0.34	255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.52	0.50	0.15	1.68	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	75.5	75.5	0.04	0.02	< 0.005	81.7
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.11	0.04	0.92	0.77	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	162	162	0.07	0.03	< 0.005	171
Total	0.63	0.55	1.07	2.46	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	237	237	0.10	0.04	0.01	253
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.09	0.09	0.03	0.31	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.6	12.6	0.01	< 0.005	0.01	13.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.02	0.01	0.16	0.14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.7	26.7	0.01	< 0.005	0.01	28.3
Total	0.11	0.10	0.19	0.45	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	39.2	39.2	0.02	0.01	0.02	41.9

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	0.55	0.53	0.14	1.47	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	78.4	78.4	0.03	0.02	0.16	84.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.12	0.05	0.88	0.75	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	160	160	0.07	0.03	0.18	170
Total	0.67	0.58	1.02	2.22	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	239	239	0.10	0.04	0.34	255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.52	0.50	0.15	1.68	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	75.5	75.5	0.04	0.02	< 0.005	81.7
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.11	0.04	0.92	0.77	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	162	162	0.07	0.03	< 0.005	171
Total	0.63	0.55	1.07	2.46	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	0.01	—	237	237	0.10	0.04	0.01	253
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	0.09	0.09	0.03	0.31	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.6	12.6	0.01	< 0.005	0.01	13.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.02	0.01	0.16	0.14	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.7	26.7	0.01	< 0.005	0.01	28.3
Total	0.11	0.10	0.19	0.45	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	39.2	39.2	0.02	0.01	0.02	41.9

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	777	777	0.07	0.01	—	781
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.5	25.5	< 0.005	< 0.005	—	25.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.04	< 0.005	—	377
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,177	1,177	0.11	0.01	—	1,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	777	777	0.07	0.01	—	781
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.5	25.5	< 0.005	< 0.005	—	25.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.04	< 0.005	—	377
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,177	1,177	0.11	0.01	—	1,184
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	129	129	0.01	< 0.005	—	129
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.22	4.22	< 0.005	< 0.005	—	4.25
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	62.1	62.1	0.01	< 0.005	—	62.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	195	195	0.02	< 0.005	—	196

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	777	777	0.07	0.01	—	781
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.5	25.5	< 0.005	< 0.005	—	25.7

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.04	< 0.005	—	377
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,177	1,177	0.11	0.01	—	1,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	777	777	0.07	0.01	—	781
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.5	25.5	< 0.005	< 0.005	—	25.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.04	< 0.005	—	377
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,177	1,177	0.11	0.01	—	1,184
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	129	129	0.01	< 0.005	—	129
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.22	4.22	< 0.005	< 0.005	—	4.25
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
undefined	—	—	—	—	—	—	—	—	—	—	—	—	62.1	62.1	0.01	< 0.005	—	62.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	195	195	0.02	< 0.005	—	196

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.02	< 0.005	—	178
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.02	< 0.005	—	178

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.10	0.05	0.90	0.76	0.01	0.07	—	0.07	0.07	—	0.07	—	1,073	1,073	0.09	< 0.005	—	1,076
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.02	< 0.005	—	178
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.02	< 0.005	—	178

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.36	1.26	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Total	1.36	5.48	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	4.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.17	0.16	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58
Total	0.17	0.93	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	3.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.36	1.26	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Total	1.36	5.26	0.06	7.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.5	31.5	< 0.005	< 0.005	—	31.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	3.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.17	0.16	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58
Total	0.17	0.89	0.01	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.57	3.57	< 0.005	< 0.005	—	3.58

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	78.0	269	347	8.03	0.19	—	605
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	12.9	44.5	57.4	1.33	0.03	—	100

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.2	0.00	89.2	8.91	0.00	—	312
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	14.8	0.00	14.8	1.48	0.00	—	51.7

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279
Total	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Total	0.25	0.25	6.84	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,677	1,677	0.07	0.01	—	1,683
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279
Total	0.05	0.05	1.25	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	2/1/2023	3/1/2023	5.00	20.0	—
Site Preparation	Site Preparation	3/2/2023	3/16/2023	5.00	10.0	—
Grading	Grading	3/17/2023	4/27/2023	5.00	30.0	—
Building Construction	Building Construction	4/28/2023	8/23/2023	5.00	84.0	—
Paving	Paving	8/24/2023	9/20/2023	5.00	20.0	—
Architectural Coating	Architectural Coating	9/21/2023	10/18/2023	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	0.25	LDA,LDT1,LDT2

Demolition	Vendor	0.00	0.25	HHDT,MHDT
Demolition	Hauling	10.0	0.25	HHDT
Demolition	Onsite truck	4.00	0.50	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	0.25	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.50	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	0.25	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	58.0	0.25	HHDT
Grading	Onsite truck	4.00	0.50	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	74.0	0.25	LDA,LDT1,LDT2
Building Construction	Vendor	30.0	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	0.25	HHDT
Building Construction	Onsite truck	0.00	-1.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	0.25	LDA,LDT1,LDT2
Paving	Vendor	0.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	18.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	16.0	0.25	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.25	HHDT

Architectural Coating	Onsite truck	0.00	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	16.0	0.25	LDA,LDT1,LDT2
Demolition	Vendor	0.00	0.25	HHDT,MHDT
Demolition	Hauling	10.0	0.25	HHDT
Demolition	Onsite truck	4.00	0.50	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	0.25	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.50	HHDT
Grading	—	—	—	—
Grading	Worker	16.0	0.25	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	58.0	0.25	HHDT
Grading	Onsite truck	4.00	0.50	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	74.0	0.25	LDA,LDT1,LDT2
Building Construction	Vendor	30.0	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	0.25	HHDT
Building Construction	Onsite truck	0.00	-1.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	0.25	LDA,LDT1,LDT2
Paving	Vendor	0.00	0.25	HHDT,MHDT

Paving	Hauling	0.00	18.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	16.0	0.25	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.25	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	264,099	88,033	5,332

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	761	—
Site Preparation	0.00	0.00	15.0	0.00	—
Grading	13,680	0.00	30.0	0.00	—
Paving	0.00	0.00	0.00	0.00	2.04

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	0.70	100%
Other Asphalt Surfaces	1.24	100%
Other Non-Asphalt Surfaces	0.10	0%
User Defined Industrial	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	349	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	218	218	218	79,687	54.6	54.6	54.6	19,922
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	83.0	83.0	83.0	30,295	20.8	20.8	20.8	7,574

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	218	218	218	79,687	54.6	54.6	54.6	19,922
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	83.0	83.0	83.0	30,295	20.8	20.8	20.8	7,574

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	264,099	88,033	5,332

5.10.3. Landscape Equipment

Season	Unit	Value

Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	813,197	349	0.0330	0.0040	3,347,134
Parking Lot	26,711	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	813,197	349	0.0330	0.0040	3,347,134
Parking Lot	26,711	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

User Defined Industrial	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	40,715,263	802,667
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	40,715,263	802,667
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	166	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	166	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	11.0	8.00	82.0	0.20
Forklifts	Diesel	Tier 4 Interim	11.0	8.00	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Electric	Average	11.0	8.00	82.0	0.20
Forklifts	Diesel	Tier 4 Interim	11.0	8.00	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

8. User Changes to Default Data

Screen	Justification
Land Use	Lot acreage includes landscape area. Total acreage = 7.23 User defined industrial set for HD trucks
Construction: Construction Phases	Applicant provided schedule - Feb 2023 through October 2023
Operations: Vehicle Data	Trip rate under warehouse for passenger vehicles only. User defined industrial trip rate for trucks. Trip length reduced to 0.25 for LST assessment.
Operations: Fleet Mix	Fleet mix adjusted for passenger vehicles for workers at warehouse and for truck trips at warehouse.
Operations: Off-Road Equipment	Assumed every day use

Construction: Trips and VMT	Assumed even number of one-way trips. Assumed on-site water truck that waters 2x per day. Trip length reduced to 0.25 for LST assessment. On-site truck trip length kept the same.
Construction: Architectural Coatings	SCAQMD rule compliance
Operations: Refrigerants	No cold storage

A-2: HRA Modeling Results

Truck Idling Emissions

Region	CalYr	VehClass	Mdl Year	Speed	Fuel	Population	PM10_IDLEX (g/vehicle-idle-hour)	Hours per day	Diesel vehicles per day	Idling Emissions g/day	lb/day	lb/year	lb/hour
San Bernardino (MD)	2024	HHDT	Aggregated	Aggregated	DSL	12941.95694	0.010586697	0.25	26	0.0685284	0.0001511	0.055143	0.0000063
San Bernardino (MD)	2024	LHDT1	Aggregated	Aggregated	DSL	11067.90041	0.803903027	0.25	4	0.8622439	0.0019009	0.693825	0.0000792
San Bernardino (MD)	2024	LHDT2	Aggregated	Aggregated	DSL	4731.795472	0.793735076	0.25	4	0.8513381	0.0018768	0.685049	0.0000782
San Bernardino (MD)	2024	MHDT	Aggregated	Aggregated	DSL	2714.454563	0.082399655	0.25	9	0.1767591	0.0003897	0.142233	0.0000162
								Totals	**43**	**1.959**	**0.004**	**1.576**	**0.000180**

Note: Total vehicles per day based % of diesel vehicle population per truck category in County multiplied by the project truck trips

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (MD)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Year	Speed	Fuel	Population
San Bernardino (MD)	2024	HHDT	Aggregate	Aggregate	Gasoline	2.67371537
San Bernardino (MD)	2024	HHDT	Aggregate	Aggregate	Diesel	12941.95694
San Bernardino (MD)	2024	HHDT	Aggregate	Aggregate	Electricity	35.13402513
San Bernardino (MD)	2024	HHDT	Aggregate	Aggregate	Natural Gas	34.45532984
San Bernardino (MD)	2024	LHDT1	Aggregate	Aggregate	Gasoline	13065.12456
San Bernardino (MD)	2024	LHDT1	Aggregate	Aggregate	Diesel	11067.90041
San Bernardino (MD)	2024	LHDT1	Aggregate	Aggregate	Electricity	35.57307835
San Bernardino (MD)	2024	LHDT2	Aggregate	Aggregate	Gasoline	1727.120361
San Bernardino (MD)	2024	LHDT2	Aggregate	Aggregate	Diesel	4731.795472
San Bernardino (MD)	2024	LHDT2	Aggregate	Aggregate	Electricity	9.20742508
San Bernardino (MD)	2024	MHDT	Aggregate	Aggregate	Gasoline	898.6661288
San Bernardino (MD)	2024	MHDT	Aggregate	Aggregate	Diesel	2714.454563
San Bernardino (MD)	2024	MHDT	Aggregate	Aggregate	Electricity	10.1031131
San Bernardino (MD)	2024	MHDT	Aggregate	Aggregate	Natural Gas	8.401730183

Vehicle Split	
HHDT% Gas/Elect/NG	0.56%
HHDT% Diesel	99.44%
LHDT1% Gas/Elect/NG	54.21%
LHDT1% Diesel	45.79%
LHDT2% Gas/Elect/NG	26.84%
LHDT2% Diesel	73.16%
MHDT% Gas/Elect/NG	25.26%
MHDT% Diesel	74.74%

Project-Level Run for Idling Emissions (g/vehicle-idle-hour)

calendar_year	season_m	sub_area	vehicle_class	fuel	temperature	relative_humidit	process	speed_time	pollutant	emission_rate
2024	Annual	San Berna	HHDT	Dsl			IDLEX		PM10	0.010586697
2024	Annual	San Berna	LHDT1	Dsl			IDLEX		PM10	0.803903027
2024	Annual	San Berna	LHDT2	Dsl			IDLEX		PM10	0.793735076
2024	Annual	San Berna	MHDT	Dsl			IDLEX		PM10	0.082399655

Construction HRA

Project Construction Emissions

Year	Unmitigated DPM tons/year
2023	0.0600
Total	**0.060**
Total Lbs	**120.000**
Lbs/year	**144.000**
Lbs/hour	**0.069**

MEIR Risk	Unmitigated
Cancer (persons in a million)	**6.73**
Chronic	**0.0089**
Cancer Student	**1.00**

Conversions:

1 ton =	2,000	lb
Construction =	8	hours/day
	2080	hours/year
	260	days/year
	12	months

Project Construction:

217	active days
0.83	years

Diesel Truck and Forklift Travel, Truck Idling, TRU Idling (Line Volume Sources):

AERMOD Source Name	AERMOD Plt File	Description	Length of Source (m)	Distance (mi)	Avg. Daily Trips (trips/day)	Annual Trips (trips/year)	Modeled Annual VMT (VMT/year)	Idling Minutes per Day (min/day)	Running PM10 Exhaust (lb/mile)	Idling PM10 (g/min/vehicle)	DPM (lb/hr)	DPM (lb/yr)
TRUCK1	3	Trucks arriving/departing 5th (80%)	2,319.80	1.44	66	24,090.00	34,724.70	--	0.00005	--	0.00020	1.72
TRUCK2	4	Trucks arriving/departing 3rd (20%)	2,588.80	1.61	17	6,205.00	9,981.40	--	0.00005	--	0.00006	0.49
ONSITE	2	Trucks around buildings	165.30	0.10	83	30,295.00	3,111.68	--	0.00005	--	0.00002	0.15
FORK	5	Forklifts around buildings	104.00	0.06	--	--	--	--	--	--	0.0023	20.00
IDLE	1	Truck idling in loading docks	100.80	0.06	--	--	--	--	--	--	0.00018	1.58

Notes: For all trucks and lifts, release parameters based on EPA PM Hotspots Guidance (2021). Idling truck plume width assumes one loading bay/truck width. TRU release height based on SJVAPCD Guidance for Air Dispersion Modeling (2006)
Mitigated scenario will not include the Yard Trucks or Forklifts, since they will be electrically powered

MEIR Risk		Unmitigated
Cancer (persons in a million)		**9.48**
Chronic		**0.0026**
Cancer (persons in a million) Student		**0.21**

CalEEMod Results			CalEEMod Results		
Trucks	Exhaust PM10		Forklifts	Exhaust PM10	
	3.00E-02	TPY		0.0100	TPY
	60.00	lb/yr		20.00	lb/yr
	1.21E+06	VMT/yr		2.28E-03	lb/hr
	4.95E-05	lb/mile			

Conversions:

1 lb =	453.6	g
1 m =	3.28	feet
1 mile =	1609.344	m
1 yr =	8,760	hours

Construction HRA Files

AERMOD ADO
HARP2

```
** Lakes Environmental AERMOD MPI
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** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 1/6/2023
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** AERMOD Control Pathway
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   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2035210 San_Bernardino
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL 5thVictoriaConst.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = CONST
** DESCRSRC Construction Equipment and onsite Trucks
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 10.00
** SZINIT = 4.65
** Nodes = 24
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LOCATION L0000066 VOLUME 479210.186 3774158.298 349.00
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** Source Parameters **
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SRCPARAM L0000165     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000166     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000167     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000168     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000169     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000170     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000171     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000172     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000173     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000174     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000175     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000176     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000177     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000178     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000179     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000180     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000181     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000182     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000183     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000184     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000185     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000186     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000187     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000188     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000189     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000190     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000191     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000192     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000193     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000194     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000195     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000196     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000197     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000198     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000199     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000200     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000201     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000202     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000203     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000204     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000205     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000206     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000207     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000208     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000209     0.0046728972      5.00      4.19      4.65
SRCPARAM L0000210     0.0046728972      5.00      4.19      4.65
```

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   SRCPARAM L0000211     0.0046728972      5.00      4.19      4.65
   SRCPARAM L0000212     0.0046728972      5.00      4.19      4.65
   SRCPARAM L0000213     0.0046728972      5.00      4.19      4.65
   SRCPARAM L0000214     0.0046728972      5.00      4.19      4.65
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED 5thVictoriaConst.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KRAL_v9.SFC
   PROFFILE KRAL_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 245.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST 5THVICTORIACONST.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL 5THVICTORIACONST.AD\PE00GALL.PLT 32
   SUMMFILE 5thVictoriaConst.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------
```

```
 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     528       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     528       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:57:20

                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   214 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
```

```
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    214 Source(s);       1 Source Group(s); and    1299
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    214 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   245.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000001	0	0.46729E-02	479163.1	3774177.0	348.3	5.00	4.19	4.65	YES	
L0000002	0	0.46729E-02	479163.0	3774168.0	348.0	5.00	4.19	4.65	YES	
L0000003	0	0.46729E-02	479163.0	3774159.0	348.0	5.00	4.19	4.65	YES	
L0000004	0	0.46729E-02	479162.9	3774150.0	348.0	5.00	4.19	4.65	YES	
L0000005	0	0.46729E-02	479162.9	3774141.0	348.0	5.00	4.19	4.65	YES	
L0000006	0	0.46729E-02	479162.8	3774132.0	348.0	5.00	4.19	4.65	YES	
L0000007	0	0.46729E-02	479162.7	3774123.0	348.0	5.00	4.19	4.65	YES	
L0000008	0	0.46729E-02	479162.7	3774114.0	348.0	5.00	4.19	4.65	YES	
L0000009	0	0.46729E-02	479162.6	3774105.0	348.0	5.00	4.19	4.65	YES	

L0000010	0	0.46729E-02	479162.5	3774096.0	348.0	5.00	4.19	4.65 YES
L0000011	0	0.46729E-02	479162.5	3774087.0	348.0	5.00	4.19	4.65 YES
L0000012	0	0.46729E-02	479162.4	3774078.0	348.0	5.00	4.19	4.65 YES
L0000013	0	0.46729E-02	479162.3	3774069.0	348.0	5.00	4.19	4.65 YES
L0000014	0	0.46729E-02	479162.3	3774060.0	348.0	5.00	4.19	4.65 YES
L0000015	0	0.46729E-02	479162.2	3774051.0	348.0	5.00	4.19	4.65 YES
L0000016	0	0.46729E-02	479162.1	3774042.0	348.0	5.00	4.19	4.65 YES
L0000017	0	0.46729E-02	479169.2	3774039.9	348.0	5.00	4.19	4.65 YES
L0000018	0	0.46729E-02	479177.3	3774040.5	348.0	5.00	4.19	4.65 YES
L0000019	0	0.46729E-02	479177.5	3774049.5	348.0	5.00	4.19	4.65 YES
L0000020	0	0.46729E-02	479177.6	3774058.5	348.0	5.00	4.19	4.65 YES
L0000021	0	0.46729E-02	479177.7	3774067.5	348.0	5.00	4.19	4.65 YES
L0000022	0	0.46729E-02	479177.9	3774076.5	348.0	5.00	4.19	4.65 YES
L0000023	0	0.46729E-02	479178.0	3774085.5	348.0	5.00	4.19	4.65 YES
L0000024	0	0.46729E-02	479178.1	3774094.5	348.0	5.00	4.19	4.65 YES
L0000025	0	0.46729E-02	479178.2	3774103.5	348.0	5.00	4.19	4.65 YES
L0000026	0	0.46729E-02	479178.4	3774112.5	348.1	5.00	4.19	4.65 YES
L0000027	0	0.46729E-02	479178.5	3774121.5	348.2	5.00	4.19	4.65 YES
L0000028	0	0.46729E-02	479178.6	3774130.5	348.2	5.00	4.19	4.65 YES
L0000029	0	0.46729E-02	479178.8	3774139.5	348.3	5.00	4.19	4.65 YES
L0000030	0	0.46729E-02	479178.9	3774148.5	348.3	5.00	4.19	4.65 YES
L0000031	0	0.46729E-02	479179.0	3774157.5	348.3	5.00	4.19	4.65 YES
L0000032	0	0.46729E-02	479179.1	3774166.5	348.3	5.00	4.19	4.65 YES
L0000033	0	0.46729E-02	479179.3	3774175.5	348.5	5.00	4.19	4.65 YES
L0000034	0	0.46729E-02	479181.8	3774182.0	348.7	5.00	4.19	4.65 YES

 L0000035   0   0.46729E-02 479190.8 3774182.0   348.9   5.00   4.19
4.65   YES
 L0000036   0   0.46729E-02 479194.1 3774176.2   348.9   5.00   4.19
4.65   YES
 L0000037   0   0.46729E-02 479194.1 3774167.2   348.8   5.00   4.19
4.65   YES
 L0000038   0   0.46729E-02 479194.1 3774158.2   348.8   5.00   4.19
4.65   YES
 L0000039   0   0.46729E-02 479194.1 3774149.2   348.8   5.00   4.19
4.65   YES
 L0000040   0   0.46729E-02 479194.1 3774140.2   348.8   5.00   4.19
4.65   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- -

 L0000041   0   0.46729E-02 479194.1 3774131.2   348.7   5.00   4.19
4.65   YES
 L0000042   0   0.46729E-02 479194.1 3774122.2   348.4   5.00   4.19
4.65   YES
 L0000043   0   0.46729E-02 479194.1 3774113.2   348.2   5.00   4.19
4.65   YES
 L0000044   0   0.46729E-02 479194.1 3774104.2   348.0   5.00   4.19
4.65   YES
 L0000045   0   0.46729E-02 479194.1 3774095.2   348.0   5.00   4.19
4.65   YES
 L0000046   0   0.46729E-02 479194.1 3774086.2   348.0   5.00   4.19
4.65   YES
 L0000047   0   0.46729E-02 479194.1 3774077.2   348.0   5.00   4.19
4.65   YES
 L0000048   0   0.46729E-02 479194.1 3774068.2   348.0   5.00   4.19
4.65   YES
 L0000049   0   0.46729E-02 479194.1 3774059.2   348.0   5.00   4.19
4.65   YES

L0000050	0	0.46729E-02	479194.1	3774050.2	348.0	5.00	4.19	4.65 YES
L0000051	0	0.46729E-02	479194.1	3774041.2	348.0	5.00	4.19	4.65 YES
L0000052	0	0.46729E-02	479201.9	3774040.1	348.0	5.00	4.19	4.65 YES
L0000053	0	0.46729E-02	479209.8	3774041.3	348.0	5.00	4.19	4.65 YES
L0000054	0	0.46729E-02	479209.8	3774050.3	348.0	5.00	4.19	4.65 YES
L0000055	0	0.46729E-02	479209.8	3774059.3	348.0	5.00	4.19	4.65 YES
L0000056	0	0.46729E-02	479209.9	3774068.3	348.0	5.00	4.19	4.65 YES
L0000057	0	0.46729E-02	479209.9	3774077.3	348.0	5.00	4.19	4.65 YES
L0000058	0	0.46729E-02	479209.9	3774086.3	348.1	5.00	4.19	4.65 YES
L0000059	0	0.46729E-02	479210.0	3774095.3	348.2	5.00	4.19	4.65 YES
L0000060	0	0.46729E-02	479210.0	3774104.3	348.3	5.00	4.19	4.65 YES
L0000061	0	0.46729E-02	479210.0	3774113.3	348.5	5.00	4.19	4.65 YES
L0000062	0	0.46729E-02	479210.1	3774122.3	348.7	5.00	4.19	4.65 YES
L0000063	0	0.46729E-02	479210.1	3774131.3	348.9	5.00	4.19	4.65 YES
L0000064	0	0.46729E-02	479210.1	3774140.3	349.0	5.00	4.19	4.65 YES
L0000065	0	0.46729E-02	479210.2	3774149.3	349.0	5.00	4.19	4.65 YES
L0000066	0	0.46729E-02	479210.2	3774158.3	349.0	5.00	4.19	4.65 YES
L0000067	0	0.46729E-02	479210.2	3774167.3	349.0	5.00	4.19	4.65 YES
L0000068	0	0.46729E-02	479210.2	3774176.3	349.0	5.00	4.19	4.65 YES
L0000069	0	0.46729E-02	479211.5	3774184.0	349.0	5.00	4.19	4.65 YES
L0000070	0	0.46729E-02	479220.5	3774184.0	349.0	5.00	4.19	4.65 YES
L0000071	0	0.46729E-02	479226.5	3774181.0	349.0	5.00	4.19	4.65 YES
L0000072	0	0.46729E-02	479226.4	3774172.0	349.0	5.00	4.19	4.65 YES
L0000073	0	0.46729E-02	479226.3	3774163.0	349.0	5.00	4.19	4.65 YES
L0000074	0	0.46729E-02	479226.3	3774154.0	349.0	5.00	4.19	4.65 YES

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 L0000075         0   0.46729E-02  479226.2 3774145.0   349.0     5.00     4.19
4.65     YES
 L0000076         0   0.46729E-02  479226.2 3774136.0   349.0     5.00     4.19
4.65     YES
 L0000077         0   0.46729E-02  479226.1 3774127.0   349.0     5.00     4.19
4.65     YES
 L0000078         0   0.46729E-02  479226.0 3774118.0   348.9     5.00     4.19
4.65     YES
 L0000079         0   0.46729E-02  479226.0 3774109.0   348.9     5.00     4.19
4.65     YES
 L0000080         0   0.46729E-02  479225.9 3774100.0   348.7     5.00     4.19
4.65     YES
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/06/23
 *** AERMET - VERSION  16216 ***   ***
                          ***      15:57:20

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                      *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000081         0   0.46729E-02  479225.8 3774091.0   348.4     5.00     4.19
4.65     YES
 L0000082         0   0.46729E-02  479225.8 3774082.0   348.2     5.00     4.19
4.65     YES
 L0000083         0   0.46729E-02  479225.7 3774073.0   348.0     5.00     4.19
4.65     YES
 L0000084         0   0.46729E-02  479225.6 3774064.0   348.0     5.00     4.19
4.65     YES
 L0000085         0   0.46729E-02  479225.6 3774055.0   348.0     5.00     4.19
4.65     YES
 L0000086         0   0.46729E-02  479225.5 3774046.0   348.0     5.00     4.19
4.65     YES
 L0000087         0   0.46729E-02  479228.6 3774039.7   348.0     5.00     4.19
4.65     YES
 L0000088         0   0.46729E-02  479237.5 3774038.6   348.0     5.00     4.19
4.65     YES
 L0000089         0   0.46729E-02  479241.2 3774043.4   348.0     5.00     4.19
4.65     YES
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L0000090	0	0.46729E-02	479241.3	3774052.4	348.1	5.00	4.19	4.65 YES
L0000091	0	0.46729E-02	479241.3	3774061.4	348.2	5.00	4.19	4.65 YES
L0000092	0	0.46729E-02	479241.4	3774070.4	348.3	5.00	4.19	4.65 YES
L0000093	0	0.46729E-02	479241.5	3774079.4	348.4	5.00	4.19	4.65 YES
L0000094	0	0.46729E-02	479241.5	3774088.4	348.6	5.00	4.19	4.65 YES
L0000095	0	0.46729E-02	479241.6	3774097.4	348.8	5.00	4.19	4.65 YES
L0000096	0	0.46729E-02	479241.7	3774106.4	349.0	5.00	4.19	4.65 YES
L0000097	0	0.46729E-02	479241.7	3774115.4	349.0	5.00	4.19	4.65 YES
L0000098	0	0.46729E-02	479241.8	3774124.4	349.0	5.00	4.19	4.65 YES
L0000099	0	0.46729E-02	479241.8	3774133.4	349.0	5.00	4.19	4.65 YES
L0000100	0	0.46729E-02	479241.9	3774142.4	349.0	5.00	4.19	4.65 YES
L0000101	0	0.46729E-02	479242.0	3774151.4	349.0	5.00	4.19	4.65 YES
L0000102	0	0.46729E-02	479242.0	3774160.4	349.0	5.00	4.19	4.65 YES
L0000103	0	0.46729E-02	479242.1	3774169.4	349.0	5.00	4.19	4.65 YES
L0000104	0	0.46729E-02	479242.2	3774178.4	349.0	5.00	4.19	4.65 YES
L0000105	0	0.46729E-02	479244.5	3774185.0	349.0	5.00	4.19	4.65 YES
L0000106	0	0.46729E-02	479253.5	3774184.7	349.0	5.00	4.19	4.65 YES
L0000107	0	0.46729E-02	479258.4	3774180.5	349.0	5.00	4.19	4.65 YES
L0000108	0	0.46729E-02	479258.3	3774171.5	349.0	5.00	4.19	4.65 YES
L0000109	0	0.46729E-02	479258.2	3774162.5	349.0	5.00	4.19	4.65 YES
L0000110	0	0.46729E-02	479258.1	3774153.5	349.0	5.00	4.19	4.65 YES
L0000111	0	0.46729E-02	479258.0	3774144.5	349.0	5.00	4.19	4.65 YES
L0000112	0	0.46729E-02	479257.9	3774135.5	349.0	5.00	4.19	4.65 YES
L0000113	0	0.46729E-02	479257.8	3774126.5	349.0	5.00	4.19	4.65 YES
L0000114	0	0.46729E-02	479257.7	3774117.5	349.0	5.00	4.19	4.65 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0000121	0	0.46729E-02	479257.1	3774054.5	348.2	5.00	4.19	4.65	YES	
L0000122	0	0.46729E-02	479257.0	3774045.5	348.0	5.00	4.19	4.65	YES	
L0000123	0	0.46729E-02	479258.0	3774037.6	348.0	5.00	4.19	4.65	YES	
L0000124	0	0.46729E-02	479267.0	3774037.9	348.2	5.00	4.19	4.65	YES	
L0000125	0	0.46729E-02	479272.1	3774042.0	348.4	5.00	4.19	4.65	YES	
L0000126	0	0.46729E-02	479272.2	3774051.0	348.5	5.00	4.19	4.65	YES	
L0000127	0	0.46729E-02	479272.3	3774060.0	348.7	5.00	4.19	4.65	YES	
L0000128	0	0.46729E-02	479272.3	3774069.0	348.9	5.00	4.19	4.65	YES	
L0000129	0	0.46729E-02	479272.4	3774078.0	349.0	5.00	4.19	4.65	YES	

L0000130	0	0.46729E-02	479272.4	3774087.0	349.0	5.00	4.19	4.65 YES
L0000131	0	0.46729E-02	479272.5	3774096.0	349.0	5.00	4.19	4.65 YES
L0000132	0	0.46729E-02	479272.6	3774105.0	349.0	5.00	4.19	4.65 YES
L0000133	0	0.46729E-02	479272.6	3774114.0	349.0	5.00	4.19	4.65 YES
L0000134	0	0.46729E-02	479272.7	3774123.0	349.0	5.00	4.19	4.65 YES
L0000135	0	0.46729E-02	479272.8	3774132.0	349.0	5.00	4.19	4.65 YES
L0000136	0	0.46729E-02	479272.8	3774141.0	349.1	5.00	4.19	4.65 YES
L0000137	0	0.46729E-02	479272.9	3774150.0	349.2	5.00	4.19	4.65 YES
L0000138	0	0.46729E-02	479272.9	3774159.0	349.3	5.00	4.19	4.65 YES
L0000139	0	0.46729E-02	479273.0	3774168.0	349.4	5.00	4.19	4.65 YES
L0000140	0	0.46729E-02	479273.1	3774177.0	349.4	5.00	4.19	4.65 YES
L0000141	0	0.46729E-02	479274.0	3774185.1	349.5	5.00	4.19	4.65 YES
L0000142	0	0.46729E-02	479283.0	3774185.4	349.8	5.00	4.19	4.65 YES
L0000143	0	0.46729E-02	479289.3	3774182.9	350.0	5.00	4.19	4.65 YES
L0000144	0	0.46729E-02	479289.2	3774173.9	350.0	5.00	4.19	4.65 YES
L0000145	0	0.46729E-02	479289.1	3774164.9	349.9	5.00	4.19	4.65 YES
L0000146	0	0.46729E-02	479289.0	3774155.9	349.6	5.00	4.19	4.65 YES
L0000147	0	0.46729E-02	479288.9	3774146.9	349.3	5.00	4.19	4.65 YES
L0000148	0	0.46729E-02	479288.8	3774137.9	349.1	5.00	4.19	4.65 YES
L0000149	0	0.46729E-02	479288.8	3774128.9	349.0	5.00	4.19	4.65 YES
L0000150	0	0.46729E-02	479288.7	3774119.9	349.0	5.00	4.19	4.65 YES
L0000151	0	0.46729E-02	479288.6	3774110.9	349.0	5.00	4.19	4.65 YES
L0000152	0	0.46729E-02	479288.5	3774101.9	349.0	5.00	4.19	4.65 YES
L0000153	0	0.46729E-02	479288.4	3774092.9	349.0	5.00	4.19	4.65 YES
L0000154	0	0.46729E-02	479288.3	3774083.9	349.0	5.00	4.19	4.65 YES

 L0000155   0   0.46729E-02 479288.2 3774074.9   349.0   5.00   4.19
4.65   YES
 L0000156   0   0.46729E-02 479288.1 3774065.9   349.0   5.00   4.19
4.65   YES
 L0000157   0   0.46729E-02 479288.0 3774056.9   349.0   5.00   4.19
4.65   YES
 L0000158   0   0.46729E-02 479287.9 3774047.9   348.9   5.00   4.19
4.65   YES
 L0000159   0   0.46729E-02 479287.8 3774038.9   348.9   5.00   4.19
4.65   YES
 L0000160   0   0.46729E-02 479294.5 3774036.8   349.0   5.00   4.19
4.65   YES

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0000161   0   0.46729E-02 479303.5 3774037.1   349.0   5.00   4.19
4.65   YES
 L0000162   0   0.46729E-02 479303.6 3774046.1   349.0   5.00   4.19
4.65   YES
 L0000163   0   0.46729E-02 479303.8 3774055.1   349.0   5.00   4.19
4.65   YES
 L0000164   0   0.46729E-02 479303.9 3774064.1   349.0   5.00   4.19
4.65   YES
 L0000165   0   0.46729E-02 479304.0 3774073.1   349.0   5.00   4.19
4.65   YES
 L0000166   0   0.46729E-02 479304.1 3774082.1   349.1   5.00   4.19
4.65   YES
 L0000167   0   0.46729E-02 479304.3 3774091.1   349.2   5.00   4.19
4.65   YES
 L0000168   0   0.46729E-02 479304.4 3774100.1   349.4   5.00   4.19
4.65   YES
 L0000169   0   0.46729E-02 479304.5 3774109.1   349.5   5.00   4.19
4.65   YES

L0000170	0	0.46729E-02	479304.6	3774118.1	349.5	5.00	4.19	4.65 YES
L0000171	0	0.46729E-02	479304.7	3774127.1	349.5	5.00	4.19	4.65 YES
L0000172	0	0.46729E-02	479304.9	3774136.1	349.5	5.00	4.19	4.65 YES
L0000173	0	0.46729E-02	479305.0	3774145.1	349.7	5.00	4.19	4.65 YES
L0000174	0	0.46729E-02	479305.1	3774154.1	349.8	5.00	4.19	4.65 YES
L0000175	0	0.46729E-02	479305.2	3774163.1	349.9	5.00	4.19	4.65 YES
L0000176	0	0.46729E-02	479305.4	3774172.1	350.0	5.00	4.19	4.65 YES
L0000177	0	0.46729E-02	479305.5	3774181.1	350.0	5.00	4.19	4.65 YES
L0000178	0	0.46729E-02	479309.5	3774186.1	350.0	5.00	4.19	4.65 YES
L0000179	0	0.46729E-02	479318.5	3774186.1	350.0	5.00	4.19	4.65 YES
L0000180	0	0.46729E-02	479321.1	3774179.8	350.0	5.00	4.19	4.65 YES
L0000181	0	0.46729E-02	479320.8	3774170.8	350.0	5.00	4.19	4.65 YES
L0000182	0	0.46729E-02	479320.5	3774161.8	350.0	5.00	4.19	4.65 YES
L0000183	0	0.46729E-02	479320.3	3774152.8	350.0	5.00	4.19	4.65 YES
L0000184	0	0.46729E-02	479320.0	3774143.8	350.0	5.00	4.19	4.65 YES
L0000185	0	0.46729E-02	479319.7	3774134.8	350.0	5.00	4.19	4.65 YES
L0000186	0	0.46729E-02	479319.4	3774125.8	350.0	5.00	4.19	4.65 YES
L0000187	0	0.46729E-02	479319.2	3774116.8	350.0	5.00	4.19	4.65 YES
L0000188	0	0.46729E-02	479318.9	3774107.8	350.0	5.00	4.19	4.65 YES
L0000189	0	0.46729E-02	479318.6	3774098.8	349.7	5.00	4.19	4.65 YES
L0000190	0	0.46729E-02	479318.3	3774089.8	349.4	5.00	4.19	4.65 YES
L0000191	0	0.46729E-02	479318.1	3774080.8	349.1	5.00	4.19	4.65 YES
L0000192	0	0.46729E-02	479317.8	3774071.8	349.0	5.00	4.19	4.65 YES
L0000193	0	0.46729E-02	479317.5	3774062.9	349.0	5.00	4.19	4.65 YES
L0000194	0	0.46729E-02	479317.3	3774053.9	349.0	5.00	4.19	4.65 YES

```
 L0000195         0   0.46729E-02  479317.0 3774044.9   349.0     5.00     4.19
4.65     YES
 L0000196         0   0.46729E-02  479316.7 3774035.9   349.0     5.00     4.19
4.65     YES
 L0000197         0   0.46729E-02  479325.4 3774034.9   349.2     5.00     4.19
4.65     YES
 L0000198         0   0.46729E-02  479331.0 3774038.0   349.4     5.00     4.19
4.65     YES
 L0000199         0   0.46729E-02  479331.2 3774047.0   349.4     5.00     4.19
4.65     YES
 L0000200         0   0.46729E-02  479331.5 3774056.0   349.4     5.00     4.19
4.65     YES
```



```
                                                      *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000201         0   0.46729E-02  479331.7 3774065.0   349.4     5.00     4.19
4.65     YES
 L0000202         0   0.46729E-02  479331.9 3774074.0   349.4     5.00     4.19
4.65     YES
 L0000203         0   0.46729E-02  479332.2 3774083.0   349.5     5.00     4.19
4.65     YES
 L0000204         0   0.46729E-02  479332.4 3774092.0   349.7     5.00     4.19
4.65     YES
 L0000205         0   0.46729E-02  479332.7 3774101.0   349.9     5.00     4.19
4.65     YES
 L0000206         0   0.46729E-02  479332.9 3774110.0   350.0     5.00     4.19
4.65     YES
 L0000207         0   0.46729E-02  479333.1 3774119.0   350.0     5.00     4.19
4.65     YES
 L0000208         0   0.46729E-02  479333.4 3774128.0   350.0     5.00     4.19
4.65     YES
 L0000209         0   0.46729E-02  479333.6 3774137.0   350.0     5.00     4.19
4.65     YES
```

```
 L0000210         0   0.46729E-02  479333.9 3774146.0   350.0     5.00     4.19
4.65     YES
 L0000211         0   0.46729E-02  479334.1 3774155.0   350.0     5.00     4.19
4.65     YES
 L0000212         0   0.46729E-02  479334.3 3774164.0   350.0     5.00     4.19
4.65     YES
 L0000213         0   0.46729E-02  479334.6 3774173.0   350.0     5.00     4.19
4.65     YES
 L0000214         0   0.46729E-02  479334.8 3774182.0   350.0     5.00     4.19
4.65     YES
```


*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,

L0000070   , L0000071   , L0000072   ,

             L0000073   , L0000074   , L0000075   , L0000076   , L0000077   ,
L0000078   , L0000079   , L0000080   ,

             L0000081   , L0000082   , L0000083   , L0000084   , L0000085   ,
L0000086   , L0000087   , L0000088   ,

             L0000089   , L0000090   , L0000091   , L0000092   , L0000093   ,
L0000094   , L0000095   , L0000096   ,

             L0000097   , L0000098   , L0000099   , L0000100   , L0000101   ,
L0000102   , L0000103   , L0000104   ,

             L0000105   , L0000106   , L0000107   , L0000108   , L0000109   ,
L0000110   , L0000111   , L0000112   ,

             L0000113   , L0000114   , L0000115   , L0000116   , L0000117   ,
L0000118   , L0000119   , L0000120   ,

             L0000121   , L0000122   , L0000123   , L0000124   , L0000125   ,
L0000126   , L0000127   , L0000128   ,

             L0000129   , L0000130   , L0000131   , L0000132   , L0000133   ,
L0000134   , L0000135   , L0000136   ,

             L0000137   , L0000138   , L0000139   , L0000140   , L0000141   ,
L0000142   , L0000143   , L0000144   ,

             L0000145   , L0000146   , L0000147   , L0000148   , L0000149   ,
L0000150   , L0000151   , L0000152   ,

             L0000153   , L0000154   , L0000155   , L0000156   , L0000157   ,
L0000158   , L0000159   , L0000160   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

             L0000161   , L0000162   , L0000163   , L0000164   , L0000165   ,

L0000166   , L0000167   , L0000168   ,

             L0000169   , L0000170   , L0000171   , L0000172   , L0000173   ,
L0000174   , L0000175   , L0000176   ,

             L0000177   , L0000178   , L0000179   , L0000180   , L0000181   ,
L0000182   , L0000183   , L0000184   ,

             L0000185   , L0000186   , L0000187   , L0000188   , L0000189   ,
L0000190   , L0000191   , L0000192   ,

             L0000193   , L0000194   , L0000195   , L0000196   , L0000197   ,
L0000198   , L0000199   , L0000200   ,

             L0000201   , L0000202   , L0000203   , L0000204   , L0000205   ,
L0000206   , L0000207   , L0000208   ,

             L0000209   , L0000210   , L0000211   , L0000212   , L0000213   ,
L0000214   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

              2035210.   L0000001   , L0000002   , L0000003   , L0000004   ,
L0000005   , L0000006   , L0000007   ,
 L0000008   ,

             L0000009   , L0000010   , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   ,

             L0000017   , L0000018   , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   ,

             L0000025   , L0000026   , L0000027   , L0000028   , L0000029   ,
L0000030   , L0000031   , L0000032   ,

             L0000033   , L0000034   , L0000035   , L0000036   , L0000037   ,
L0000038   , L0000039   , L0000040   ,

```
             L0000041    , L0000042    , L0000043    , L0000044    , L0000045    ,
L0000046    , L0000047    , L0000048    ,

             L0000049    , L0000050    , L0000051    , L0000052    , L0000053    ,
L0000054    , L0000055    , L0000056    ,

             L0000057    , L0000058    , L0000059    , L0000060    , L0000061    ,
L0000062    , L0000063    , L0000064    ,

             L0000065    , L0000066    , L0000067    , L0000068    , L0000069    ,
L0000070    , L0000071    , L0000072    ,

             L0000073    , L0000074    , L0000075    , L0000076    , L0000077    ,
L0000078    , L0000079    , L0000080    ,

             L0000081    , L0000082    , L0000083    , L0000084    , L0000085    ,
L0000086    , L0000087    , L0000088    ,

             L0000089    , L0000090    , L0000091    , L0000092    , L0000093    ,
L0000094    , L0000095    , L0000096    ,

             L0000097    , L0000098    , L0000099    , L0000100    , L0000101    ,
L0000102    , L0000103    , L0000104    ,

             L0000105    , L0000106    , L0000107    , L0000108    , L0000109    ,
L0000110    , L0000111    , L0000112    ,

             L0000113    , L0000114    , L0000115    , L0000116    , L0000117    ,
L0000118    , L0000119    , L0000120    ,

             L0000121    , L0000122    , L0000123    , L0000124    , L0000125    ,
L0000126    , L0000127    , L0000128    ,

             L0000129    , L0000130    , L0000131    , L0000132    , L0000133    ,
L0000134    , L0000135    , L0000136    ,

             L0000137    , L0000138    , L0000139    , L0000140    , L0000141    ,
L0000142    , L0000143    , L0000144    ,

             L0000145    , L0000146    , L0000147    , L0000148    , L0000149    ,
L0000150    , L0000151    , L0000152    ,

             L0000153    , L0000154    , L0000155    , L0000156    , L0000157    ,
L0000158    , L0000159    , L0000160    ,
↟ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:57:20
```

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,

L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 ,

L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 ,

L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,

L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,

L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,

L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 ,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(478170.4, 3774040.0, 341.0, 341.0, 0.0); (478220.4, 3774040.0, 341.0, 341.0, 0.0);
(478270.4, 3774040.0, 342.0, 342.0, 0.0); (478320.4, 3774040.0, 342.0, 342.0, 0.0);
(478170.4, 3774090.0, 341.0, 341.0, 0.0); (478220.4, 3774090.0, 341.0, 341.0, 0.0);
(478270.4, 3774090.0, 342.0, 342.0, 0.0); (478320.4,

```
3774090.0,     342.0,     342.0,       0.0);
     ( 478170.4, 3774140.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774140.0,     341.0,     341.0,       0.0);
     ( 478270.4, 3774140.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774140.0,     342.0,     342.0,       0.0);
     ( 478170.4, 3774190.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774190.0,     341.4,     341.4,       0.0);
     ( 478270.4, 3774190.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774190.0,     342.0,     342.0,       0.0);
     ( 478170.4, 3774240.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774240.0,     341.4,     341.4,       0.0);
     ( 478270.4, 3774240.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774240.0,     342.0,     342.0,       0.0);
     ( 478370.4, 3774240.0,     342.4,     342.4,       0.0);         ( 478420.4,
3774240.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3774240.0,     343.0,     343.0,       0.0);         ( 478520.4,
3774240.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3774240.0,     344.0,     344.0,       0.0);         ( 479570.4,
3774240.0,     352.0,     352.0,       0.0);
     ( 479620.4, 3774240.0,     352.0,     352.0,       0.0);         ( 479670.4,
3774240.0,     353.0,     353.0,       0.0);
     ( 479720.4, 3774240.0,     353.0,     353.0,       0.0);         ( 479770.4,
3774240.0,     354.0,     354.0,       0.0);
     ( 479820.4, 3774240.0,     354.0,     354.0,       0.0);         ( 479870.4,
3774240.0,     354.0,     354.0,       0.0);
     ( 479920.4, 3774240.0,     354.0,     354.0,       0.0);         ( 479970.4,
3774240.0,     354.7,     354.7,       0.0);
     ( 478170.4, 3774290.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774290.0,     341.4,     341.4,       0.0);
     ( 478270.4, 3774290.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774290.0,     342.0,     342.0,       0.0);
     ( 478370.4, 3774290.0,     342.4,     342.4,       0.0);         ( 478420.4,
3774290.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3774290.0,     343.0,     343.0,       0.0);         ( 478520.4,
3774290.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3774290.0,     344.0,     344.0,       0.0);         ( 479170.4,
3774290.0,     349.0,     349.0,       0.0);
     ( 479220.4, 3774290.0,     349.0,     349.0,       0.0);         ( 479270.4,
3774290.0,     350.0,     350.0,       0.0);
     ( 479320.4, 3774290.0,     350.0,     350.0,       0.0);         ( 479370.4,
3774290.0,     350.7,     350.7,       0.0);
     ( 479420.4, 3774290.0,     351.0,     351.0,       0.0);         ( 479470.4,
3774290.0,     351.0,     351.0,       0.0);
     ( 479520.4, 3774290.0,     351.7,     351.7,       0.0);         ( 479570.4,
3774290.0,     352.0,     352.0,       0.0);
     ( 479620.4, 3774290.0,     353.0,     353.0,       0.0);         ( 479670.4,
3774290.0,     353.0,     353.0,       0.0);
     ( 479720.4, 3774290.0,     353.0,     353.0,       0.0);         ( 479770.4,
3774290.0,     353.9,     353.9,       0.0);
     ( 479820.4, 3774290.0,     354.0,     354.0,       0.0);         ( 479870.4,
```

3774290.0,   354.0,   354.0,   0.0);
     (479920.4, 3774290.0,   354.1,   354.1,   0.0);   (479970.4,
3774290.0,   355.1,   355.1,   0.0);
     (478170.4, 3774340.0,   341.0,   341.0,   0.0);   (478220.4,
3774340.0,   341.4,   341.4,   0.0);
     (478270.4, 3774340.0,   342.0,   342.0,   0.0);   (478320.4,
3774340.0,   342.0,   342.0,   0.0);
     (478370.4, 3774340.0,   342.4,   342.4,   0.0);   (478420.4,
3774340.0,   343.0,   343.0,   0.0);
     (478470.4, 3774340.0,   343.5,   343.5,   0.0);   (478520.4,
3774340.0,   344.0,   344.0,   0.0);
     (478570.4, 3774340.0,   344.0,   344.0,   0.0);   (479170.4,
3774340.0,   349.0,   349.0,   0.0);
     (479220.4, 3774340.0,   349.5,   349.5,   0.0);   (479270.4,
3774340.0,   350.0,   350.0,   0.0);
     (479320.4, 3774340.0,   350.0,   350.0,   0.0);   (479370.4,
3774340.0,   350.7,   350.7,   0.0);
     (479420.4, 3774340.0,   351.0,   351.0,   0.0);   (479470.4,
3774340.0,   351.0,   351.0,   0.0);
     (479520.4, 3774340.0,   352.0,   352.0,   0.0);   (479570.4,
3774340.0,   352.0,   352.0,   0.0);
     (479620.4, 3774340.0,   353.0,   353.0,   0.0);   (479670.4,
3774340.0,   353.0,   353.0,   0.0);
     (479720.4, 3774340.0,   353.9,   353.9,   0.0);   (479770.4,
3774340.0,   353.8,   353.8,   0.0);
     (479820.4, 3774340.0,   354.0,   354.0,   0.0);   (479870.4,
3774340.0,   354.3,   354.3,   0.0);
     (479920.4, 3774340.0,   355.0,   355.0,   0.0);   (479970.4,
3774340.0,   355.7,   355.7,   0.0);
     (478170.4, 3774390.0,   341.0,   341.0,   0.0);   (478220.4,
3774390.0,   341.4,   341.4,   0.0);
     (478270.4, 3774390.0,   342.0,   342.0,   0.0);   (478320.4,
3774390.0,   342.0,   342.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (478370.4, 3774390.0,   343.0,   343.0,   0.0);   (478420.4,
3774390.0,   343.0,   343.0,   0.0);
     (478470.4, 3774390.0,   343.7,   343.7,   0.0);   (478520.4,
3774390.0,   344.0,   344.0,   0.0);
     (478570.4, 3774390.0,   344.0,   344.0,   0.0);   (479170.4,

3774390.0,   349.0,   349.0,   0.0);
     (479220.4, 3774390.0,   349.7,   349.7,   0.0);   (479270.4,
3774390.0,   350.0,   350.0,   0.0);
     (479320.4, 3774390.0,   350.0,   350.0,   0.0);   (479370.4,
3774390.0,   351.0,   351.0,   0.0);
     (479420.4, 3774390.0,   351.0,   351.0,   0.0);   (479470.4,
3774390.0,   352.0,   352.0,   0.0);
     (479520.4, 3774390.0,   352.0,   352.0,   0.0);   (479570.4,
3774390.0,   352.4,   352.4,   0.0);
     (479620.4, 3774390.0,   353.0,   353.0,   0.0);   (479670.4,
3774390.0,   353.7,   353.7,   0.0);
     (479720.4, 3774390.0,   354.0,   354.0,   0.0);   (479770.4,
3774390.0,   354.0,   354.0,   0.0);
     (479820.4, 3774390.0,   354.3,   354.3,   0.0);   (479870.4,
3774390.0,   355.0,   355.0,   0.0);
     (479920.4, 3774390.0,   355.0,   355.0,   0.0);   (479970.4,
3774390.0,   356.0,   356.0,   0.0);
     (478170.4, 3774440.0,   341.0,   341.0,   0.0);   (478220.4,
3774440.0,   341.4,   341.4,   0.0);
     (478270.4, 3774440.0,   342.0,   342.0,   0.0);   (478320.4,
3774440.0,   342.0,   342.0,   0.0);
     (478370.4, 3774440.0,   343.0,   343.0,   0.0);   (478420.4,
3774440.0,   343.0,   343.0,   0.0);
     (478470.4, 3774440.0,   343.7,   343.7,   0.0);   (478520.4,
3774440.0,   344.0,   344.0,   0.0);
     (478570.4, 3774440.0,   344.0,   344.0,   0.0);   (478620.4,
3774440.0,   344.7,   344.7,   0.0);
     (478670.4, 3774440.0,   345.0,   345.0,   0.0);   (478720.4,
3774440.0,   345.0,   345.0,   0.0);
     (478770.4, 3774440.0,   345.0,   345.0,   0.0);   (478820.4,
3774440.0,   346.0,   346.0,   0.0);
     (479320.4, 3774440.0,   350.0,   350.0,   0.0);   (479370.4,
3774440.0,   351.0,   351.0,   0.0);
     (479420.4, 3774440.0,   351.0,   351.0,   0.0);   (479470.4,
3774440.0,   352.0,   352.0,   0.0);
     (479520.4, 3774440.0,   352.0,   352.0,   0.0);   (479570.4,
3774440.0,   352.4,   352.4,   0.0);
     (479620.4, 3774440.0,   353.0,   353.0,   0.0);   (479670.4,
3774440.0,   353.7,   353.7,   0.0);
     (479720.4, 3774440.0,   354.0,   354.0,   0.0);   (479770.4,
3774440.0,   354.0,   354.0,   0.0);
     (479820.4, 3774440.0,   354.7,   354.7,   0.0);   (479870.4,
3774440.0,   355.0,   355.0,   0.0);
     (479920.4, 3774440.0,   356.0,   356.0,   0.0);   (479970.4,
3774440.0,   356.0,   356.0,   0.0);
     (478170.4, 3774490.0,   341.0,   341.0,   0.0);   (478220.4,
3774490.0,   342.0,   342.0,   0.0);
     (478270.4, 3774490.0,   342.0,   342.0,   0.0);   (478320.4,
3774490.0,   342.0,   342.0,   0.0);
     (478370.4, 3774490.0,   343.0,   343.0,   0.0);   (478420.4,

3774490.0,   343.0,   343.0,   0.0);
     (478470.4, 3774490.0,   343.7,   343.7,   0.0);   (478520.4,
3774490.0,   344.0,   344.0,   0.0);
     (478570.4, 3774490.0,   344.0,   344.0,   0.0);   (478620.4,
3774490.0,   345.0,   345.0,   0.0);
     (478670.4, 3774490.0,   345.0,   345.0,   0.0);   (478720.4,
3774490.0,   345.0,   345.0,   0.0);
     (478749.3, 3774487.7,   345.0,   345.0,   0.0);   (478820.4,
3774490.0,   346.0,   346.0,   0.0);
     (479370.4, 3774490.0,   351.0,   351.0,   0.0);   (479420.4,
3774490.0,   351.4,   351.4,   0.0);
     (479470.4, 3774490.0,   352.0,   352.0,   0.0);   (479520.4,
3774490.0,   352.0,   352.0,   0.0);
     (479570.4, 3774490.0,   353.0,   353.0,   0.0);   (479620.4,
3774490.0,   353.0,   353.0,   0.0);
     (479670.4, 3774490.0,   353.9,   353.9,   0.0);   (479720.4,
3774490.0,   354.0,   354.0,   0.0);
     (479770.4, 3774490.0,   354.0,   354.0,   0.0);   (479820.4,
3774490.0,   355.0,   355.0,   0.0);
     (479870.4, 3774490.0,   355.3,   355.3,   0.0);   (479920.4,
3774490.0,   356.0,   356.0,   0.0);
     (479970.4, 3774490.0,   356.0,   356.0,   0.0);   (478170.4,
3774540.0,   341.3,   341.3,   0.0);
     (478220.4, 3774540.0,   342.0,   342.0,   0.0);   (478270.4,
3774540.0,   342.0,   342.0,   0.0);
     (478320.4, 3774540.0,   342.0,   342.0,   0.0);   (478370.4,
3774540.0,   343.0,   343.0,   0.0);
     (478420.4, 3774540.0,   343.0,   343.0,   0.0);   (478470.4,
3774540.0,   343.7,   343.7,   0.0);
     (478520.4, 3774540.0,   344.0,   344.0,   0.0);   (478570.4,
3774540.0,   344.0,   344.0,   0.0);
     (478620.4, 3774540.0,   345.0,   345.0,   0.0);   (478670.4,
3774540.0,   345.0,   345.0,   0.0);
     (478720.4, 3774540.0,   345.0,   345.0,   0.0);   (478764.9,
3774550.6,   345.4,   345.4,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (478807.5, 3774552.4,   346.0,   346.0,   0.0);   (479370.4,
3774540.0,   351.0,   351.0,   0.0);
     (479420.4, 3774540.0,   351.4,   351.4,   0.0);   (479470.4,

```
3774540.0,     352.0,     352.0,       0.0);
     ( 479520.4, 3774540.0,     352.0,     352.0,       0.0);         ( 479570.4,
3774540.0,     353.0,     353.0,       0.0);
     ( 479620.4, 3774540.0,     353.0,     353.0,       0.0);         ( 479670.4,
3774540.0,     354.0,     354.0,       0.0);
     ( 479720.4, 3774540.0,     354.0,     354.0,       0.0);         ( 479770.4,
3774540.0,     354.5,     354.5,       0.0);
     ( 479820.4, 3774540.0,     355.0,     355.0,       0.0);         ( 479870.4,
3774540.0,     355.4,     355.4,       0.0);
     ( 479920.4, 3774540.0,     356.0,     356.0,       0.0);         ( 479970.4,
3774540.0,     356.0,     356.0,       0.0);
     ( 478170.4, 3774590.0,     341.7,     341.7,       0.0);         ( 478220.4,
3774590.0,     342.0,     342.0,       0.0);
     ( 478270.4, 3774590.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774590.0,     342.7,     342.7,       0.0);
     ( 478370.4, 3774590.0,     343.0,     343.0,       0.0);         ( 478420.4,
3774590.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3774590.0,     344.0,     344.0,       0.0);         ( 478520.4,
3774590.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3774590.0,     345.0,     345.0,       0.0);         ( 478620.4,
3774590.0,     345.0,     345.0,       0.0);
     ( 478670.4, 3774590.0,     345.0,     345.0,       0.0);         ( 478720.4,
3774590.0,     345.1,     345.1,       0.0);
     ( 478776.3, 3774602.9,     345.9,     345.9,       0.0);         ( 478804.3,
3774604.2,     346.0,     346.0,       0.0);
     ( 479370.4, 3774590.0,     351.0,     351.0,       0.0);         ( 479420.4,
3774590.0,     352.0,     352.0,       0.0);
     ( 479470.4, 3774590.0,     352.0,     352.0,       0.0);         ( 479520.4,
3774590.0,     352.1,     352.1,       0.0);
     ( 479570.4, 3774590.0,     353.0,     353.0,       0.0);         ( 479620.4,
3774590.0,     353.0,     353.0,       0.0);
     ( 479670.4, 3774590.0,     354.0,     354.0,       0.0);         ( 479720.4,
3774590.0,     354.0,     354.0,       0.0);
     ( 479770.4, 3774590.0,     355.0,     355.0,       0.0);         ( 479820.4,
3774590.0,     355.0,     355.0,       0.0);
     ( 479870.4, 3774590.0,     355.4,     355.4,       0.0);         ( 479920.4,
3774590.0,     356.0,     356.0,       0.0);
     ( 479970.4, 3774590.0,     356.7,     356.7,       0.0);         ( 478170.4,
3774640.0,     341.9,     341.9,       0.0);
     ( 478220.4, 3774640.0,     342.0,     342.0,       0.0);         ( 478270.4,
3774640.0,     342.0,     342.0,       0.0);
     ( 478320.4, 3774640.0,     342.7,     342.7,       0.0);         ( 478370.4,
3774640.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3774640.0,     343.0,     343.0,       0.0);         ( 478470.4,
3774640.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3774640.0,     344.0,     344.0,       0.0);         ( 478570.4,
3774640.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3774640.0,     345.0,     345.0,       0.0);         ( 478670.4,
3774640.0,     345.3,     345.3,       0.0);
     ( 478720.4, 3774640.0,     346.0,     346.0,       0.0);         ( 478770.4,
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3774640.0,   346.0,   346.0,   0.0);
     (478820.4, 3774640.0,   346.4,   346.4,   0.0);   (478870.4,
3774640.0,   347.0,   347.0,   0.0);
     (479370.4, 3774640.0,   351.0,   351.0,   0.0);   (479420.4,
3774640.0,   352.0,   352.0,   0.0);
     (479470.4, 3774640.0,   352.0,   352.0,   0.0);   (479520.4,
3774640.0,   352.7,   352.7,   0.0);
     (479570.4, 3774640.0,   353.0,   353.0,   0.0);   (479620.4,
3774640.0,   353.8,   353.8,   0.0);
     (479670.4, 3774640.0,   354.0,   354.0,   0.0);   (479720.4,
3774640.0,   354.4,   354.4,   0.0);
     (479770.4, 3774640.0,   355.0,   355.0,   0.0);   (479820.4,
3774640.0,   355.0,   355.0,   0.0);
     (479870.4, 3774640.0,   356.0,   356.0,   0.0);   (479920.4,
3774640.0,   356.0,   356.0,   0.0);
     (479970.4, 3774640.0,   356.7,   356.7,   0.0);   (478170.4,
3774690.0,   342.0,   342.0,   0.0);
     (478220.4, 3774690.0,   342.0,   342.0,   0.0);   (478270.4,
3774690.0,   342.0,   342.0,   0.0);
     (478320.4, 3774690.0,   342.8,   342.8,   0.0);   (478370.4,
3774690.0,   343.0,   343.0,   0.0);
     (478420.4, 3774690.0,   343.0,   343.0,   0.0);   (478470.4,
3774690.0,   344.0,   344.0,   0.0);
     (478520.4, 3774690.0,   344.0,   344.0,   0.0);   (478570.4,
3774690.0,   345.0,   345.0,   0.0);
     (478620.4, 3774690.0,   345.0,   345.0,   0.0);   (478670.4,
3774690.0,   346.0,   346.0,   0.0);
     (478720.4, 3774690.0,   346.0,   346.0,   0.0);   (478770.4,
3774690.0,   346.0,   346.0,   0.0);
     (478820.4, 3774690.0,   347.0,   347.0,   0.0);   (478868.7,
3774700.6,   347.0,   347.0,   0.0);
     (478861.3, 3774671.1,   347.0,   347.0,   0.0);   (479026.6,
3774722.4,   348.2,   348.2,   0.0);
     (479059.0, 3774696.6,   348.8,   348.8,   0.0);   (479113.7,
3774695.1,   349.0,   349.0,   0.0);
     (479370.4, 3774690.0,   351.7,   351.7,   0.0);   (479420.4,
3774690.0,   352.0,   352.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (479470.4, 3774690.0,   352.0,   352.0,   0.0);   (479520.4,

3774690.0,   353.0,   353.0,   0.0);
     (479570.4, 3774690.0,   353.2,   353.2,   0.0);   (479620.4,
3774690.0,   354.0,   354.0,   0.0);
     (479670.4, 3774690.0,   354.0,   354.0,   0.0);   (479720.4,
3774690.0,   354.7,   354.7,   0.0);
     (479770.4, 3774690.0,   355.0,   355.0,   0.0);   (479820.4,
3774690.0,   355.7,   355.7,   0.0);
     (479870.4, 3774690.0,   356.0,   356.0,   0.0);   (479920.4,
3774690.0,   356.0,   356.0,   0.0);
     (479970.4, 3774690.0,   356.8,   356.8,   0.0);   (478170.4,
3774740.0,   342.0,   342.0,   0.0);
     (478220.4, 3774740.0,   342.0,   342.0,   0.0);   (478270.4,
3774740.0,   342.0,   342.0,   0.0);
     (478320.4, 3774740.0,   343.0,   343.0,   0.0);   (478370.4,
3774740.0,   343.0,   343.0,   0.0);
     (478420.4, 3774740.0,   343.1,   343.1,   0.0);   (478470.4,
3774740.0,   344.0,   344.0,   0.0);
     (478520.4, 3774740.0,   344.0,   344.0,   0.0);   (478570.4,
3774740.0,   345.0,   345.0,   0.0);
     (478620.4, 3774740.0,   345.0,   345.0,   0.0);   (478670.4,
3774740.0,   346.0,   346.0,   0.0);
     (478720.4, 3774740.0,   346.0,   346.0,   0.0);   (478770.4,
3774740.0,   346.7,   346.7,   0.0);
     (478820.4, 3774740.0,   347.0,   347.0,   0.0);   (478863.0,
3774730.3,   347.6,   347.6,   0.0);
     (479020.4, 3774740.0,   348.0,   348.0,   0.0);   (479070.4,
3774740.0,   349.0,   349.0,   0.0);
     (479120.4, 3774740.0,   349.0,   349.0,   0.0);   (479370.4,
3774740.0,   352.0,   352.0,   0.0);
     (479420.4, 3774740.0,   352.0,   352.0,   0.0);   (479470.4,
3774740.0,   352.1,   352.1,   0.0);
     (479520.4, 3774740.0,   353.0,   353.0,   0.0);   (479570.4,
3774740.0,   353.4,   353.4,   0.0);
     (479620.4, 3774740.0,   354.0,   354.0,   0.0);   (479670.4,
3774740.0,   354.0,   354.0,   0.0);
     (479720.4, 3774740.0,   355.0,   355.0,   0.0);   (479770.4,
3774740.0,   355.0,   355.0,   0.0);
     (479820.4, 3774740.0,   356.0,   356.0,   0.0);   (479870.4,
3774740.0,   356.0,   356.0,   0.0);
     (479920.4, 3774740.0,   356.0,   356.0,   0.0);   (479970.4,
3774740.0,   357.0,   357.0,   0.0);
     (478170.4, 3774790.0,   342.0,   342.0,   0.0);   (478220.4,
3774790.0,   342.0,   342.0,   0.0);
     (478270.4, 3774790.0,   342.0,   342.0,   0.0);   (478320.4,
3774790.0,   343.0,   343.0,   0.0);
     (478370.4, 3774790.0,   343.0,   343.0,   0.0);   (478420.4,
3774790.0,   344.0,   344.0,   0.0);
     (478470.4, 3774790.0,   344.0,   344.0,   0.0);   (478520.4,
3774790.0,   344.3,   344.3,   0.0);
     (478570.4, 3774790.0,   345.0,   345.0,   0.0);   (478620.4,

3774790.0,   345.0,   345.0,   0.0);
     (478670.4, 3774790.0,   346.0,   346.0,   0.0);   (478720.4,
3774790.0,   346.0,   346.0,   0.0);
     (478770.4, 3774790.0,   346.9,   346.9,   0.0);   (478820.4,
3774790.0,   347.4,   347.4,   0.0);
     (478870.4, 3774790.0,   348.0,   348.0,   0.0);   (478920.4,
3774790.0,   348.0,   348.0,   0.0);
     (478970.4, 3774790.0,   348.0,   348.0,   0.0);   (479020.4,
3774790.0,   348.8,   348.8,   0.0);
     (479070.4, 3774790.0,   349.0,   349.0,   0.0);   (479120.4,
3774790.0,   349.0,   349.0,   0.0);
     (479370.4, 3774790.0,   352.0,   352.0,   0.0);   (479420.4,
3774790.0,   352.0,   352.0,   0.0);
     (479470.4, 3774790.0,   353.0,   353.0,   0.0);   (479520.4,
3774790.0,   353.0,   353.0,   0.0);
     (479570.4, 3774790.0,   353.9,   353.9,   0.0);   (479620.4,
3774790.0,   354.0,   354.0,   0.0);
     (479670.4, 3774790.0,   354.0,   354.0,   0.0);   (479720.4,
3774790.0,   355.0,   355.0,   0.0);
     (479770.4, 3774790.0,   355.0,   355.0,   0.0);   (479820.4,
3774790.0,   356.0,   356.0,   0.0);
     (479870.4, 3774790.0,   356.0,   356.0,   0.0);   (479920.4,
3774790.0,   356.8,   356.8,   0.0);
     (479970.4, 3774790.0,   357.0,   357.0,   0.0);   (477970.4,
3774840.0,   340.0,   340.0,   0.0);
     (478020.4, 3774840.0,   341.0,   341.0,   0.0);   (478070.4,
3774840.0,   341.4,   341.4,   0.0);
     (478120.4, 3774840.0,   342.0,   342.0,   0.0);   (478170.4,
3774840.0,   342.0,   342.0,   0.0);
     (478220.4, 3774840.0,   342.0,   342.0,   0.0);   (478270.4,
3774840.0,   343.0,   343.0,   0.0);
     (478320.4, 3774840.0,   343.0,   343.0,   0.0);   (478370.4,
3774840.0,   343.0,   343.0,   0.0);
     (478420.4, 3774840.0,   344.0,   344.0,   0.0);   (478470.4,
3774840.0,   344.0,   344.0,   0.0);
     (478520.4, 3774840.0,   344.4,   344.4,   0.0);   (478570.4,
3774840.0,   345.0,   345.0,   0.0);
     (478620.4, 3774840.0,   345.7,   345.7,   0.0);   (478670.4,
3774840.0,   346.0,   346.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                      *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                              (METERS)

```
     ( 478720.4, 3774840.0,     346.0,     346.0,       0.0);         ( 478770.4,
3774840.0,     347.0,     347.0,       0.0);
     ( 478820.4, 3774840.0,     347.4,     347.4,       0.0);         ( 478870.4,
3774840.0,     348.0,     348.0,       0.0);
     ( 478920.4, 3774840.0,     348.0,     348.0,       0.0);         ( 478970.4,
3774840.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3774840.0,     349.0,     349.0,       0.0);         ( 479070.4,
3774840.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3774840.0,     349.4,     349.4,       0.0);         ( 479170.4,
3774840.0,     350.0,     350.0,       0.0);
     ( 479220.4, 3774840.0,     350.0,     350.0,       0.0);         ( 479270.4,
3774840.0,     351.0,     351.0,       0.0);
     ( 479320.4, 3774840.0,     351.0,     351.0,       0.0);         ( 479370.4,
3774840.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3774840.0,     352.4,     352.4,       0.0);         ( 479470.4,
3774840.0,     353.0,     353.0,       0.0);
     ( 479520.4, 3774840.0,     353.3,     353.3,       0.0);         ( 479570.4,
3774840.0,     354.0,     354.0,       0.0);
     ( 479620.4, 3774840.0,     354.0,     354.0,       0.0);         ( 479670.4,
3774840.0,     354.7,     354.7,       0.0);
     ( 479720.4, 3774840.0,     355.0,     355.0,       0.0);         ( 479770.4,
3774840.0,     355.0,     355.0,       0.0);
     ( 479820.4, 3774840.0,     356.0,     356.0,       0.0);         ( 479870.4,
3774840.0,     356.0,     356.0,       0.0);
     ( 479920.4, 3774840.0,     357.0,     357.0,       0.0);         ( 479970.4,
3774840.0,     357.0,     357.0,       0.0);
     ( 477970.4, 3774890.0,     341.0,     341.0,       0.0);         ( 478020.4,
3774890.0,     341.0,     341.0,       0.0);
     ( 478070.4, 3774890.0,     341.4,     341.4,       0.0);         ( 478120.4,
3774890.0,     342.0,     342.0,       0.0);
     ( 478170.4, 3774890.0,     342.0,     342.0,       0.0);         ( 478220.4,
3774890.0,     342.0,     342.0,       0.0);
     ( 478270.4, 3774890.0,     343.0,     343.0,       0.0);         ( 478320.4,
3774890.0,     343.0,     343.0,       0.0);
     ( 478370.4, 3774890.0,     343.0,     343.0,       0.0);         ( 478420.4,
3774890.0,     344.0,     344.0,       0.0);
     ( 478470.4, 3774890.0,     344.0,     344.0,       0.0);         ( 478520.4,
3774890.0,     344.4,     344.4,       0.0);
     ( 478570.4, 3774890.0,     345.0,     345.0,       0.0);         ( 478620.4,
3774890.0,     345.7,     345.7,       0.0);
     ( 478670.4, 3774890.0,     346.0,     346.0,       0.0);         ( 478720.4,
3774890.0,     346.0,     346.0,       0.0);
     ( 478770.4, 3774890.0,     347.0,     347.0,       0.0);         ( 478820.4,
3774890.0,     347.4,     347.4,       0.0);
     ( 478870.4, 3774890.0,     348.0,     348.0,       0.0);         ( 478920.4,
3774890.0,     348.0,     348.0,       0.0);
     ( 478970.4, 3774890.0,     348.0,     348.0,       0.0);         ( 479020.4,
3774890.0,     349.0,     349.0,       0.0);
     ( 479070.4, 3774890.0,     349.0,     349.0,       0.0);         ( 479120.4,
```

3774890.0,   349.4,   349.4,   0.0);
     (479170.4, 3774890.0,   350.0,   350.0,   0.0);   (479220.4,
3774890.0,   350.0,   350.0,   0.0);
     (479270.4, 3774890.0,   351.0,   351.0,   0.0);   (479320.4,
3774890.0,   351.0,   351.0,   0.0);
     (479370.4, 3774890.0,   352.0,   352.0,   0.0);   (479420.4,
3774890.0,   352.4,   352.4,   0.0);
     (479470.4, 3774890.0,   353.0,   353.0,   0.0);   (479520.4,
3774890.0,   353.7,   353.7,   0.0);
     (479570.4, 3774890.0,   354.0,   354.0,   0.0);   (479620.4,
3774890.0,   354.0,   354.0,   0.0);
     (479670.4, 3774890.0,   354.7,   354.7,   0.0);   (479720.4,
3774890.0,   355.0,   355.0,   0.0);
     (479770.4, 3774890.0,   355.0,   355.0,   0.0);   (479820.4,
3774890.0,   356.0,   356.0,   0.0);
     (479870.4, 3774890.0,   356.0,   356.0,   0.0);   (479920.4,
3774890.0,   357.0,   357.0,   0.0);
     (479970.4, 3774890.0,   357.0,   357.0,   0.0);   (477970.4,
3774940.0,   341.0,   341.0,   0.0);
     (478020.4, 3774940.0,   341.0,   341.0,   0.0);   (478070.4,
3774940.0,   341.4,   341.4,   0.0);
     (478120.4, 3774940.0,   342.0,   342.0,   0.0);   (478170.4,
3774940.0,   342.0,   342.0,   0.0);
     (478220.4, 3774940.0,   342.0,   342.0,   0.0);   (478270.4,
3774940.0,   343.0,   343.0,   0.0);
     (478320.4, 3774940.0,   343.0,   343.0,   0.0);   (478370.4,
3774940.0,   343.0,   343.0,   0.0);
     (478420.4, 3774940.0,   344.0,   344.0,   0.0);   (478470.4,
3774940.0,   344.0,   344.0,   0.0);
     (478520.4, 3774940.0,   344.4,   344.4,   0.0);   (478570.4,
3774940.0,   345.0,   345.0,   0.0);
     (478620.4, 3774940.0,   345.7,   345.7,   0.0);   (478670.4,
3774940.0,   346.0,   346.0,   0.0);
     (478720.4, 3774940.0,   346.0,   346.0,   0.0);   (478770.4,
3774940.0,   346.8,   346.8,   0.0);
     (478820.4, 3774940.0,   347.1,   347.1,   0.0);   (478870.4,
3774940.0,   348.0,   348.0,   0.0);
     (478920.4, 3774940.0,   348.0,   348.0,   0.0);   (478970.4,
3774940.0,   348.0,   348.0,   0.0);
     (479020.4, 3774940.0,   349.0,   349.0,   0.0);   (479070.4,
3774940.0,   349.0,   349.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(479120.4, 3774940.0, 349.4, 349.4, 0.0); (479170.4, 3774940.0, 350.0, 350.0, 0.0);
(479220.4, 3774940.0, 350.0, 350.0, 0.0); (479270.4, 3774940.0, 351.0, 351.0, 0.0);
(479320.4, 3774940.0, 351.0, 351.0, 0.0); (479370.4, 3774940.0, 352.0, 352.0, 0.0);
(479420.4, 3774940.0, 352.4, 352.4, 0.0); (479470.4, 3774940.0, 353.0, 353.0, 0.0);
(479520.4, 3774940.0, 353.7, 353.7, 0.0); (479570.4, 3774940.0, 354.0, 354.0, 0.0);
(479620.4, 3774940.0, 354.0, 354.0, 0.0); (479670.4, 3774940.0, 354.7, 354.7, 0.0);
(479720.4, 3774940.0, 355.0, 355.0, 0.0); (479770.4, 3774940.0, 355.8, 355.8, 0.0);
(479820.4, 3774940.0, 356.0, 356.0, 0.0); (479870.4, 3774940.0, 356.0, 356.0, 0.0);
(479920.4, 3774940.0, 357.0, 357.0, 0.0); (479970.4, 3774940.0, 357.0, 357.0, 0.0);
(477970.4, 3774990.0, 341.0, 341.0, 0.0); (478020.4, 3774990.0, 341.0, 341.0, 0.0);
(478070.4, 3774990.0, 341.4, 341.4, 0.0); (478120.4, 3774990.0, 342.0, 342.0, 0.0);
(478170.4, 3774990.0, 342.0, 342.0, 0.0); (478220.4, 3774990.0, 342.0, 342.0, 0.0);
(478270.4, 3774990.0, 343.0, 343.0, 0.0); (478320.4, 3774990.0, 343.0, 343.0, 0.0);
(478370.4, 3774990.0, 343.0, 343.0, 0.0); (478420.4, 3774990.0, 344.0, 344.0, 0.0);
(478470.4, 3774990.0, 344.0, 344.0, 0.0); (478520.4, 3774990.0, 344.4, 344.4, 0.0);
(478570.4, 3774990.0, 345.0, 345.0, 0.0); (478620.4, 3774990.0, 345.7, 345.7, 0.0);
(478670.4, 3774990.0, 346.0, 346.0, 0.0); (478720.4, 3774990.0, 346.0, 346.0, 0.0);
(478770.4, 3774990.0, 346.7, 346.7, 0.0); (478820.4, 3774990.0, 347.0, 347.0, 0.0);
(478870.4, 3774990.0, 347.6, 347.6, 0.0); (478920.4, 3774990.0, 348.0, 348.0, 0.0);
(478970.4, 3774990.0, 348.0, 348.0, 0.0); (479020.4, 3774990.0, 349.0, 349.0, 0.0);
(479070.4, 3774990.0, 349.0, 349.0, 0.0); (479120.4, 3774990.0, 349.4, 349.4, 0.0);
(479170.4, 3774990.0, 350.0, 350.0, 0.0); (479220.4, 3774990.0, 350.0, 350.0, 0.0);
(479270.4, 3774990.0, 351.0, 351.0, 0.0); (479320.4, 3774990.0, 351.0, 351.0, 0.0);
(479370.4, 3774990.0, 352.0, 352.0, 0.0); (479420.4,

3774990.0,   352.4,   352.4,   0.0);
     (479470.4, 3774990.0,   353.0,   353.0,   0.0);   (479520.4,
3774990.0,   353.7,   353.7,   0.0);
     (479570.4, 3774990.0,   354.0,   354.0,   0.0);   (479620.4,
3774990.0,   354.0,   354.0,   0.0);
     (479670.4, 3774990.0,   354.7,   354.7,   0.0);   (479720.4,
3774990.0,   355.0,   355.0,   0.0);
     (479770.4, 3774990.0,   355.6,   355.6,   0.0);   (479820.4,
3774990.0,   356.0,   356.0,   0.0);
     (479870.4, 3774990.0,   356.0,   356.0,   0.0);   (479920.4,
3774990.0,   357.0,   357.0,   0.0);
     (479970.4, 3774990.0,   357.0,   357.0,   0.0);   (477970.4,
3775040.0,   341.0,   341.0,   0.0);
     (478020.4, 3775040.0,   341.0,   341.0,   0.0);   (478070.4,
3775040.0,   341.4,   341.4,   0.0);
     (478120.4, 3775040.0,   342.0,   342.0,   0.0);   (478170.4,
3775040.0,   342.0,   342.0,   0.0);
     (478220.4, 3775040.0,   342.0,   342.0,   0.0);   (478270.4,
3775040.0,   343.0,   343.0,   0.0);
     (478320.4, 3775040.0,   343.0,   343.0,   0.0);   (478370.4,
3775040.0,   343.0,   343.0,   0.0);
     (478420.4, 3775040.0,   344.0,   344.0,   0.0);   (478470.4,
3775040.0,   344.0,   344.0,   0.0);
     (478520.4, 3775040.0,   344.4,   344.4,   0.0);   (478570.4,
3775040.0,   345.0,   345.0,   0.0);
     (478620.4, 3775040.0,   345.7,   345.7,   0.0);   (478670.4,
3775040.0,   346.0,   346.0,   0.0);
     (478720.4, 3775040.0,   346.0,   346.0,   0.0);   (478770.4,
3775040.0,   346.7,   346.7,   0.0);
     (478820.4, 3775040.0,   347.0,   347.0,   0.0);   (478870.4,
3775040.0,   348.0,   348.0,   0.0);
     (478920.4, 3775040.0,   348.0,   348.0,   0.0);   (478970.4,
3775040.0,   348.0,   348.0,   0.0);
     (479020.4, 3775040.0,   349.0,   349.0,   0.0);   (479070.4,
3775040.0,   349.0,   349.0,   0.0);
     (479120.4, 3775040.0,   349.4,   349.4,   0.0);   (479170.4,
3775040.0,   350.0,   350.0,   0.0);
     (479220.4, 3775040.0,   350.0,   350.0,   0.0);   (479270.4,
3775040.0,   351.0,   351.0,   0.0);
     (479320.4, 3775040.0,   351.0,   351.0,   0.0);   (479370.4,
3775040.0,   352.0,   352.0,   0.0);
     (479420.4, 3775040.0,   352.4,   352.4,   0.0);   (479470.4,
3775040.0,   353.0,   353.0,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(479520.4, 3775040.0, 353.0, 353.0, 0.0); (479570.4, 3775040.0, 353.9, 353.9, 0.0);
(479620.4, 3775040.0, 354.0, 354.0, 0.0); (479670.4, 3775040.0, 354.6, 354.6, 0.0);
(479720.4, 3775040.0, 355.0, 355.0, 0.0); (479770.4, 3775040.0, 355.1, 355.1, 0.0);
(479820.4, 3775040.0, 356.0, 356.0, 0.0); (479870.4, 3775040.0, 356.0, 356.0, 0.0);
(479920.4, 3775040.0, 357.0, 357.0, 0.0); (479970.4, 3775040.0, 357.0, 357.0, 0.0);
(477970.4, 3775090.0, 341.0, 341.0, 0.0); (478020.4, 3775090.0, 341.0, 341.0, 0.0);
(478070.4, 3775090.0, 341.4, 341.4, 0.0); (478120.4, 3775090.0, 342.0, 342.0, 0.0);
(478170.4, 3775090.0, 342.0, 342.0, 0.0); (478220.4, 3775090.0, 342.0, 342.0, 0.0);
(478270.4, 3775090.0, 343.0, 343.0, 0.0); (478320.4, 3775090.0, 343.0, 343.0, 0.0);
(478370.4, 3775090.0, 343.0, 343.0, 0.0); (478420.4, 3775090.0, 344.0, 344.0, 0.0);
(478470.4, 3775090.0, 344.0, 344.0, 0.0); (478520.4, 3775090.0, 344.4, 344.4, 0.0);
(478570.4, 3775090.0, 345.0, 345.0, 0.0); (478620.4, 3775090.0, 345.7, 345.7, 0.0);
(478670.4, 3775090.0, 346.0, 346.0, 0.0); (478720.4, 3775090.0, 346.0, 346.0, 0.0);
(478770.4, 3775090.0, 346.1, 346.1, 0.0); (478820.4, 3775090.0, 347.0, 347.0, 0.0);
(478870.4, 3775090.0, 348.0, 348.0, 0.0); (478920.4, 3775090.0, 348.0, 348.0, 0.0);
(478970.4, 3775090.0, 348.0, 348.0, 0.0); (479020.4, 3775090.0, 349.0, 349.0, 0.0);
(479070.4, 3775090.0, 349.0, 349.0, 0.0); (479120.4, 3775090.0, 349.4, 349.4, 0.0);
(479170.4, 3775090.0, 350.0, 350.0, 0.0); (479220.4, 3775090.0, 350.0, 350.0, 0.0);
(479270.4, 3775090.0, 351.0, 351.0, 0.0); (479320.4, 3775090.0, 351.0, 351.0, 0.0);
(479370.4, 3775090.0, 352.0, 352.0, 0.0); (479420.4, 3775090.0, 352.1, 352.1, 0.0);
(479470.4, 3775090.0, 353.0, 353.0, 0.0); (479520.4, 3775090.0, 353.0, 353.0, 0.0);
(479570.4, 3775090.0, 353.4, 353.4, 0.0); (479620.4, 3775090.0, 354.0, 354.0, 0.0);
(479670.4, 3775090.0, 354.0, 354.0, 0.0); (479720.4,

```
3775090.0,     355.0,     355.0,       0.0);
     ( 479770.4, 3775090.0,     356.0,     356.0,       0.0);         ( 479820.4,
3775090.0,     356.0,     356.0,       0.0);
     ( 479870.4, 3775090.0,     356.3,     356.3,       0.0);         ( 479920.4,
3775090.0,     357.0,     357.0,       0.0);
     ( 479970.4, 3775090.0,     357.0,     357.0,       0.0);         ( 477970.4,
3775140.0,     341.0,     341.0,       0.0);
     ( 478020.4, 3775140.0,     341.0,     341.0,       0.0);         ( 478070.4,
3775140.0,     341.4,     341.4,       0.0);
     ( 478120.4, 3775140.0,     342.0,     342.0,       0.0);         ( 478170.4,
3775140.0,     342.0,     342.0,       0.0);
     ( 478220.4, 3775140.0,     342.0,     342.0,       0.0);         ( 478270.4,
3775140.0,     343.0,     343.0,       0.0);
     ( 478320.4, 3775140.0,     343.0,     343.0,       0.0);         ( 478370.4,
3775140.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3775140.0,     344.0,     344.0,       0.0);         ( 478470.4,
3775140.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3775140.0,     344.4,     344.4,       0.0);         ( 478570.4,
3775140.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3775140.0,     345.7,     345.7,       0.0);         ( 478670.4,
3775140.0,     346.0,     346.0,       0.0);
     ( 478720.4, 3775140.0,     346.0,     346.0,       0.0);         ( 478770.4,
3775140.0,     346.0,     346.0,       0.0);
     ( 478820.4, 3775140.0,     347.0,     347.0,       0.0);         ( 478870.4,
3775140.0,     347.6,     347.6,       0.0);
     ( 478920.4, 3775140.0,     348.0,     348.0,       0.0);         ( 478970.4,
3775140.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3775140.0,     349.0,     349.0,       0.0);         ( 479070.4,
3775140.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3775140.0,     349.4,     349.4,       0.0);         ( 479170.4,
3775140.0,     350.0,     350.0,       0.0);
     ( 479220.4, 3775140.0,     350.0,     350.0,       0.0);         ( 479270.4,
3775140.0,     351.0,     351.0,       0.0);
     ( 479320.4, 3775140.0,     351.0,     351.0,       0.0);         ( 479370.4,
3775140.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3775140.0,     352.0,     352.0,       0.0);         ( 479470.4,
3775140.0,     352.6,     352.6,       0.0);
     ( 479520.4, 3775140.0,     353.0,     353.0,       0.0);         ( 479570.4,
3775140.0,     353.2,     353.2,       0.0);
     ( 479620.4, 3775140.0,     354.0,     354.0,       0.0);         ( 479670.4,
3775140.0,     354.0,     354.0,       0.0);
     ( 479720.4, 3775140.0,     355.0,     355.0,       0.0);         ( 479770.4,
3775140.0,     356.0,     356.0,       0.0);
     ( 479820.4, 3775140.0,     356.0,     356.0,       0.0);         ( 479870.4,
3775140.0,     356.4,     356.4,       0.0);
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                           ***       15:57:20
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(479920.4, 3775140.0, 357.0, 357.0, 0.0); (479970.4, 3775140.0, 357.3, 357.3, 0.0);
(477970.4, 3775190.0, 341.0, 341.0, 0.0); (478020.4, 3775190.0, 341.0, 341.0, 0.0);
(478070.4, 3775190.0, 341.4, 341.4, 0.0); (478120.4, 3775190.0, 342.0, 342.0, 0.0);
(478170.4, 3775190.0, 342.0, 342.0, 0.0); (478220.4, 3775190.0, 342.0, 342.0, 0.0);
(478270.4, 3775190.0, 343.0, 343.0, 0.0); (478320.4, 3775190.0, 343.0, 343.0, 0.0);
(478370.4, 3775190.0, 343.0, 343.0, 0.0); (478420.4, 3775190.0, 344.0, 344.0, 0.0);
(478470.4, 3775190.0, 344.0, 344.0, 0.0); (478520.4, 3775190.0, 344.4, 344.4, 0.0);
(478570.4, 3775190.0, 345.0, 345.0, 0.0); (478620.4, 3775190.0, 345.7, 345.7, 0.0);
(478670.4, 3775190.0, 346.0, 346.0, 0.0); (478720.4, 3775190.0, 346.0, 346.0, 0.0);
(478770.4, 3775190.0, 346.0, 346.0, 0.0); (478820.4, 3775190.0, 347.0, 347.0, 0.0);
(478870.4, 3775190.0, 347.0, 347.0, 0.0); (478920.4, 3775190.0, 348.0, 348.0, 0.0);
(478970.4, 3775190.0, 348.0, 348.0, 0.0); (479020.4, 3775190.0, 349.0, 349.0, 0.0);
(479070.4, 3775190.0, 349.0, 349.0, 0.0); (479120.4, 3775190.0, 349.4, 349.4, 0.0);
(479170.4, 3775190.0, 350.0, 350.0, 0.0); (479220.4, 3775190.0, 350.0, 350.0, 0.0);
(479270.4, 3775190.0, 351.0, 351.0, 0.0); (479320.4, 3775190.0, 351.0, 351.0, 0.0);
(479370.4, 3775190.0, 352.0, 352.0, 0.0); (479420.4, 3775190.0, 352.0, 352.0, 0.0);
(479470.4, 3775190.0, 352.0, 352.0, 0.0); (479520.4, 3775190.0, 353.0, 353.0, 0.0);
(479570.4, 3775190.0, 353.0, 353.0, 0.0); (479620.4, 3775190.0, 354.0, 354.0, 0.0);
(479670.4, 3775190.0, 354.0, 354.0, 0.0); (479720.4, 3775190.0, 355.0, 355.0, 0.0);
(479770.4, 3775190.0, 356.0, 356.0, 0.0); (479820.4, 3775190.0, 356.0, 356.0, 0.0);
(479870.4, 3775190.0, 357.0, 357.0, 0.0); (479920.4, 3775190.0, 357.0, 357.0, 0.0);
(479970.4, 3775190.0, 357.7, 357.7, 0.0); (477970.4,

```
3775240.0,     341.0,     341.0,       0.0);
     ( 478020.4, 3775240.0,     341.0,     341.0,       0.0);         ( 478070.4,
3775240.0,     341.4,     341.4,       0.0);
     ( 478120.4, 3775240.0,     342.0,     342.0,       0.0);         ( 478170.4,
3775240.0,     342.0,     342.0,       0.0);
     ( 478220.4, 3775240.0,     342.0,     342.0,       0.0);         ( 478270.4,
3775240.0,     343.0,     343.0,       0.0);
     ( 478320.4, 3775240.0,     343.0,     343.0,       0.0);         ( 478370.4,
3775240.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3775240.0,     344.0,     344.0,       0.0);         ( 478470.4,
3775240.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3775240.0,     344.4,     344.4,       0.0);         ( 478570.4,
3775240.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3775240.0,     345.1,     345.1,       0.0);         ( 478670.4,
3775240.0,     346.0,     346.0,       0.0);
     ( 478720.4, 3775240.0,     346.0,     346.0,       0.0);         ( 478770.4,
3775240.0,     346.0,     346.0,       0.0);
     ( 478820.4, 3775240.0,     347.0,     347.0,       0.0);         ( 478870.4,
3775240.0,     347.0,     347.0,       0.0);
     ( 478920.4, 3775240.0,     348.0,     348.0,       0.0);         ( 478970.4,
3775240.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3775240.0,     349.0,     349.0,       0.0);         ( 479070.4,
3775240.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3775240.0,     349.4,     349.4,       0.0);         ( 479170.4,
3775240.0,     350.0,     350.0,       0.0);
     ( 479220.4, 3775240.0,     350.0,     350.0,       0.0);         ( 479270.4,
3775240.0,     351.0,     351.0,       0.0);
     ( 479320.4, 3775240.0,     351.0,     351.0,       0.0);         ( 479370.4,
3775240.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3775240.0,     352.0,     352.0,       0.0);         ( 479470.4,
3775240.0,     352.8,     352.8,       0.0);
     ( 479520.4, 3775240.0,     353.0,     353.0,       0.0);         ( 479570.4,
3775240.0,     353.3,     353.3,       0.0);
     ( 479620.4, 3775240.0,     354.0,     354.0,       0.0);         ( 479670.4,
3775240.0,     354.5,     354.5,       0.0);
     ( 479720.4, 3775240.0,     355.0,     355.0,       0.0);         ( 479770.4,
3775240.0,     356.0,     356.0,       0.0);
     ( 479820.4, 3775240.0,     356.0,     356.0,       0.0);         ( 479870.4,
3775240.0,     357.0,     357.0,       0.0);
     ( 479920.4, 3775240.0,     357.0,     357.0,       0.0);         ( 479970.4,
3775240.0,     357.7,     357.7,       0.0);
     ( 477970.4, 3775290.0,     340.0,     340.0,       0.0);         ( 478020.4,
3775290.0,     341.0,     341.0,       0.0);
     ( 478070.4, 3775290.0,     341.4,     341.4,       0.0);         ( 478120.4,
3775290.0,     342.0,     342.0,       0.0);
     ( 478170.4, 3775290.0,     342.0,     342.0,       0.0);         ( 478220.4,
3775290.0,     342.0,     342.0,       0.0);
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(478270.4, 3775290.0, 343.0, 343.0, 0.0); (478320.4, 3775290.0, 343.0, 343.0, 0.0);
(478370.4, 3775290.0, 343.0, 343.0, 0.0); (478420.4, 3775290.0, 344.0, 344.0, 0.0);
(478470.4, 3775290.0, 344.0, 344.0, 0.0); (478520.4, 3775290.0, 344.4, 344.4, 0.0);
(478570.4, 3775290.0, 345.0, 345.0, 0.0); (478620.4, 3775290.0, 345.0, 345.0, 0.0);
(478670.4, 3775290.0, 346.0, 346.0, 0.0); (478720.4, 3775290.0, 346.0, 346.0, 0.0);
(478770.4, 3775290.0, 346.0, 346.0, 0.0); (478820.4, 3775290.0, 346.7, 346.7, 0.0);
(478870.4, 3775290.0, 347.0, 347.0, 0.0); (478920.4, 3775290.0, 348.0, 348.0, 0.0);
(478970.4, 3775290.0, 348.0, 348.0, 0.0); (479020.4, 3775290.0, 349.0, 349.0, 0.0);
(479070.4, 3775290.0, 349.0, 349.0, 0.0); (479120.4, 3775290.0, 349.4, 349.4, 0.0);
(479170.4, 3775290.0, 350.0, 350.0, 0.0); (479220.4, 3775290.0, 350.0, 350.0, 0.0);
(479270.4, 3775290.0, 351.0, 351.0, 0.0); (479320.4, 3775290.0, 351.0, 351.0, 0.0);
(479370.4, 3775290.0, 352.0, 352.0, 0.0); (479420.4, 3775290.0, 352.0, 352.0, 0.0);
(479470.4, 3775290.0, 353.0, 353.0, 0.0); (479520.4, 3775290.0, 353.0, 353.0, 0.0);
(479570.4, 3775290.0, 354.0, 354.0, 0.0); (479620.4, 3775290.0, 354.0, 354.0, 0.0);
(479670.4, 3775290.0, 354.7, 354.7, 0.0); (479720.4, 3775290.0, 355.4, 355.4, 0.0);
(479770.4, 3775290.0, 356.0, 356.0, 0.0); (479820.4, 3775290.0, 356.0, 356.0, 0.0);
(479870.4, 3775290.0, 357.0, 357.0, 0.0); (479920.4, 3775290.0, 357.0, 357.0, 0.0);
(479970.4, 3775290.0, 358.0, 358.0, 0.0); (477970.4, 3775340.0, 340.0, 340.0, 0.0);
(478020.4, 3775340.0, 341.0, 341.0, 0.0); (478070.4, 3775340.0, 341.0, 341.0, 0.0);
(478120.4, 3775340.0, 342.0, 342.0, 0.0); (478170.4, 3775340.0, 342.0, 342.0, 0.0);
(478220.4, 3775340.0, 342.0, 342.0, 0.0); (478270.4,

3775340.0,   342.9,   342.9,   0.0);
     (478320.4, 3775340.0,   343.0,   343.0,   0.0);   (478370.4,
3775340.0,   343.0,   343.0,   0.0);
     (478420.4, 3775340.0,   344.0,   344.0,   0.0);   (478470.4,
3775340.0,   344.0,   344.0,   0.0);
     (478520.4, 3775340.0,   344.4,   344.4,   0.0);   (478570.4,
3775340.0,   345.0,   345.0,   0.0);
     (478620.4, 3775340.0,   345.0,   345.0,   0.0);   (478670.4,
3775340.0,   345.9,   345.9,   0.0);
     (478720.4, 3775340.0,   346.0,   346.0,   0.0);   (478770.4,
3775340.0,   346.0,   346.0,   0.0);
     (478820.4, 3775340.0,   347.0,   347.0,   0.0);   (478870.4,
3775340.0,   347.0,   347.0,   0.0);
     (478920.4, 3775340.0,   348.0,   348.0,   0.0);   (478970.4,
3775340.0,   348.0,   348.0,   0.0);
     (479020.4, 3775340.0,   349.0,   349.0,   0.0);   (479070.4,
3775340.0,   349.0,   349.0,   0.0);
     (479120.4, 3775340.0,   349.4,   349.4,   0.0);   (479170.4,
3775340.0,   350.0,   350.0,   0.0);
     (479220.4, 3775340.0,   350.0,   350.0,   0.0);   (479270.4,
3775340.0,   351.0,   351.0,   0.0);
     (479320.4, 3775340.0,   351.0,   351.0,   0.0);   (479370.4,
3775340.0,   352.0,   352.0,   0.0);
     (479420.4, 3775340.0,   352.0,   352.0,   0.0);   (479470.4,
3775340.0,   353.0,   353.0,   0.0);
     (479520.4, 3775340.0,   353.0,   353.0,   0.0);   (479570.4,
3775340.0,   354.0,   354.0,   0.0);
     (479620.4, 3775340.0,   354.0,   354.0,   0.0);   (479670.4,
3775340.0,   354.7,   354.7,   0.0);
     (479720.4, 3775340.0,   355.4,   355.4,   0.0);   (479770.4,
3775340.0,   356.0,   356.0,   0.0);
     (479820.4, 3775340.0,   356.0,   356.0,   0.0);   (479870.4,
3775340.0,   357.0,   357.0,   0.0);
     (479920.4, 3775340.0,   357.0,   357.0,   0.0);   (479970.4,
3775340.0,   358.0,   358.0,   0.0);
     (477970.4, 3775390.0,   340.0,   340.0,   0.0);   (478020.4,
3775390.0,   341.0,   341.0,   0.0);
     (478070.4, 3775390.0,   341.0,   341.0,   0.0);   (478120.4,
3775390.0,   342.0,   342.0,   0.0);
     (478170.4, 3775390.0,   342.0,   342.0,   0.0);   (478220.4,
3775390.0,   342.0,   342.0,   0.0);
     (478270.4, 3775390.0,   342.0,   342.0,   0.0);   (478320.4,
3775390.0,   343.0,   343.0,   0.0);
     (478370.4, 3775390.0,   343.0,   343.0,   0.0);   (478420.4,
3775390.0,   344.0,   344.0,   0.0);
     (478470.4, 3775390.0,   344.0,   344.0,   0.0);   (478520.4,
3775390.0,   344.1,   344.1,   0.0);
     (478570.4, 3775390.0,   345.0,   345.0,   0.0);   (478620.4,
3775390.0,   345.0,   345.0,   0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(478670.4, 3775390.0, 345.9, 345.9, 0.0); (478720.4, 3775390.0, 346.0, 346.0, 0.0);
(478770.4, 3775390.0, 346.0, 346.0, 0.0); (478820.4, 3775390.0, 347.0, 347.0, 0.0);
(478870.4, 3775390.0, 347.0, 347.0, 0.0); (478920.4, 3775390.0, 348.0, 348.0, 0.0);
(478970.4, 3775390.0, 348.0, 348.0, 0.0); (479020.4, 3775390.0, 349.0, 349.0, 0.0);
(479070.4, 3775390.0, 349.0, 349.0, 0.0); (479120.4, 3775390.0, 349.4, 349.4, 0.0);
(479170.4, 3775390.0, 350.0, 350.0, 0.0); (479220.4, 3775390.0, 350.0, 350.0, 0.0);
(479270.4, 3775390.0, 351.0, 351.0, 0.0); (479320.4, 3775390.0, 351.0, 351.0, 0.0);
(479370.4, 3775390.0, 352.0, 352.0, 0.0); (479420.4, 3775390.0, 352.0, 352.0, 0.0);
(479470.4, 3775390.0, 353.0, 353.0, 0.0); (479520.4, 3775390.0, 353.0, 353.0, 0.0);
(479570.4, 3775390.0, 353.5, 353.5, 0.0); (479620.4, 3775390.0, 354.0, 354.0, 0.0);
(479670.4, 3775390.0, 354.9, 354.9, 0.0); (479720.4, 3775390.0, 355.4, 355.4, 0.0);
(479770.4, 3775390.0, 356.0, 356.0, 0.0); (479820.4, 3775390.0, 356.5, 356.5, 0.0);
(479870.4, 3775390.0, 357.0, 357.0, 0.0); (479920.4, 3775390.0, 357.8, 357.8, 0.0);
(479970.4, 3775390.0, 358.0, 358.0, 0.0); (477970.4, 3775440.0, 340.0, 340.0, 0.0);
(478020.4, 3775440.0, 340.7, 340.7, 0.0); (478070.4, 3775440.0, 341.0, 341.0, 0.0);
(478120.4, 3775440.0, 341.0, 341.0, 0.0); (478170.4, 3775440.0, 342.0, 342.0, 0.0);
(478220.4, 3775440.0, 342.0, 342.0, 0.0); (478270.4, 3775440.0, 342.0, 342.0, 0.0);
(478320.4, 3775440.0, 342.9, 342.9, 0.0); (478370.4, 3775440.0, 343.0, 343.0, 0.0);
(478420.4, 3775440.0, 343.0, 343.0, 0.0); (478470.4, 3775440.0, 344.0, 344.0, 0.0);
(478520.4, 3775440.0, 344.0, 344.0, 0.0); (478570.4,

3775440.0,   345.0,   345.0,   0.0);
     (478620.4, 3775440.0,   345.0,   345.0,   0.0);   (478670.4,
3775440.0,   345.4,   345.4,   0.0);
     (478720.4, 3775440.0,   346.0,   346.0,   0.0);   (478770.4,
3775440.0,   346.0,   346.0,   0.0);
     (478820.4, 3775440.0,   347.0,   347.0,   0.0);   (478870.4,
3775440.0,   348.0,   348.0,   0.0);
     (478920.4, 3775440.0,   348.0,   348.0,   0.0);   (478970.4,
3775440.0,   348.0,   348.0,   0.0);
     (479020.4, 3775440.0,   349.0,   349.0,   0.0);   (479070.4,
3775440.0,   349.0,   349.0,   0.0);
     (479120.4, 3775440.0,   349.4,   349.4,   0.0);   (479170.4,
3775440.0,   350.0,   350.0,   0.0);
     (479220.4, 3775440.0,   350.0,   350.0,   0.0);   (479270.4,
3775440.0,   351.0,   351.0,   0.0);
     (479320.4, 3775440.0,   351.0,   351.0,   0.0);   (479370.4,
3775440.0,   352.0,   352.0,   0.0);
     (479420.4, 3775440.0,   352.0,   352.0,   0.0);   (479470.4,
3775440.0,   353.0,   353.0,   0.0);
     (479520.4, 3775440.0,   353.0,   353.0,   0.0);   (479570.4,
3775440.0,   353.4,   353.4,   0.0);
     (479620.4, 3775440.0,   354.0,   354.0,   0.0);   (479670.4,
3775440.0,   355.0,   355.0,   0.0);
     (479720.4, 3775440.0,   355.7,   355.7,   0.0);   (479770.4,
3775440.0,   356.0,   356.0,   0.0);
     (479820.4, 3775440.0,   356.8,   356.8,   0.0);   (479870.4,
3775440.0,   357.2,   357.2,   0.0);
     (479920.4, 3775440.0,   358.0,   358.0,   0.0);   (479970.4,
3775440.0,   358.0,   358.0,   0.0);
     (477970.4, 3775490.0,   340.0,   340.0,   0.0);   (478020.4,
3775490.0,   340.0,   340.0,   0.0);
     (478070.4, 3775490.0,   340.9,   340.9,   0.0);   (478120.4,
3775490.0,   341.0,   341.0,   0.0);
     (478170.4, 3775490.0,   341.7,   341.7,   0.0);   (478220.4,
3775490.0,   342.0,   342.0,   0.0);
     (478270.4, 3775490.0,   342.0,   342.0,   0.0);   (478320.4,
3775490.0,   342.7,   342.7,   0.0);
     (478370.4, 3775490.0,   343.0,   343.0,   0.0);   (478420.4,
3775490.0,   343.0,   343.0,   0.0);
     (478470.4, 3775490.0,   344.0,   344.0,   0.0);   (478520.4,
3775490.0,   344.0,   344.0,   0.0);
     (478570.4, 3775490.0,   345.0,   345.0,   0.0);   (478620.4,
3775490.0,   345.0,   345.0,   0.0);
     (478670.4, 3775490.0,   345.4,   345.4,   0.0);   (478720.4,
3775490.0,   346.0,   346.0,   0.0);
     (478770.4, 3775490.0,   346.0,   346.0,   0.0);   (478820.4,
3775490.0,   347.0,   347.0,   0.0);
     (478870.4, 3775490.0,   348.0,   348.0,   0.0);   (478920.4,
3775490.0,   348.0,   348.0,   0.0);
     (478970.4, 3775490.0,   348.0,   348.0,   0.0);   (479020.4,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(479070.4, 3775490.0, 349.0, 349.0, 0.0); (479120.4, 3775490.0, 349.4, 349.4, 0.0);
(479170.4, 3775490.0, 350.0, 350.0, 0.0); (479220.4, 3775490.0, 350.0, 350.0, 0.0);
(479270.4, 3775490.0, 351.0, 351.0, 0.0); (479320.4, 3775490.0, 351.0, 351.0, 0.0);
(479370.4, 3775490.0, 352.0, 352.0, 0.0); (479420.4, 3775490.0, 352.0, 352.0, 0.0);
(479470.4, 3775490.0, 353.0, 353.0, 0.0); (479520.4, 3775490.0, 353.0, 353.0, 0.0);
(479570.4, 3775490.0, 353.4, 353.4, 0.0); (479620.4, 3775490.0, 354.0, 354.0, 0.0);
(479670.4, 3775490.0, 355.0, 355.0, 0.0); (479720.4, 3775490.0, 356.0, 356.0, 0.0);
(479770.4, 3775490.0, 356.0, 356.0, 0.0); (479820.4, 3775490.0, 357.0, 357.0, 0.0);
(479870.4, 3775490.0, 357.4, 357.4, 0.0); (479920.4, 3775490.0, 358.0, 358.0, 0.0);
(479970.4, 3775490.0, 358.1, 358.1, 0.0); (477970.4, 3775540.0, 340.0, 340.0, 0.0);
(478020.4, 3775540.0, 340.0, 340.0, 0.0); (478070.4, 3775540.0, 340.4, 340.4, 0.0);
(478120.4, 3775540.0, 341.0, 341.0, 0.0); (478170.4, 3775540.0, 341.1, 341.1, 0.0);
(478220.4, 3775540.0, 342.0, 342.0, 0.0); (478270.4, 3775540.0, 342.0, 342.0, 0.0);
(478320.4, 3775540.0, 342.1, 342.1, 0.0); (478370.4, 3775540.0, 343.0, 343.0, 0.0);
(478420.4, 3775540.0, 343.0, 343.0, 0.0); (478470.4, 3775540.0, 343.8, 343.8, 0.0);
(478520.4, 3775540.0, 344.0, 344.0, 0.0); (478570.4, 3775540.0, 345.0, 345.0, 0.0);
(478620.4, 3775540.0, 345.0, 345.0, 0.0); (478670.4, 3775540.0, 345.1, 345.1, 0.0);
(478720.4, 3775540.0, 346.0, 346.0, 0.0); (478770.4, 3775540.0, 346.0, 346.0, 0.0);
(478820.4, 3775540.0, 347.0, 347.0, 0.0); (478870.4,

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3775540.0,     347.2,     347.2,       0.0);
     ( 478920.4, 3775540.0,     348.0,     348.0,       0.0);         ( 478970.4,
3775540.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3775540.0,     349.0,     349.0,       0.0);         ( 479070.4,
3775540.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3775540.0,     349.4,     349.4,       0.0);         ( 479170.4,
3775540.0,     350.0,     350.0,       0.0);
     ( 479220.4, 3775540.0,     350.0,     350.0,       0.0);         ( 479270.4,
3775540.0,     351.0,     351.0,       0.0);
     ( 479320.4, 3775540.0,     351.0,     351.0,       0.0);         ( 479370.4,
3775540.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3775540.0,     352.0,     352.0,       0.0);         ( 479470.4,
3775540.0,     353.0,     353.0,       0.0);
     ( 479520.4, 3775540.0,     353.0,     353.0,       0.0);         ( 479570.4,
3775540.0,     353.4,     353.4,       0.0);
     ( 479620.4, 3775540.0,     354.0,     354.0,       0.0);         ( 479670.4,
3775540.0,     355.0,     355.0,       0.0);
     ( 479720.4, 3775540.0,     356.0,     356.0,       0.0);         ( 479770.4,
3775540.0,     356.8,     356.8,       0.0);
     ( 479820.4, 3775540.0,     357.0,     357.0,       0.0);         ( 479870.4,
3775540.0,     358.0,     358.0,       0.0);
     ( 479920.4, 3775540.0,     358.0,     358.0,       0.0);         ( 479970.4,
3775540.0,     358.9,     358.9,       0.0);
     ( 478861.4, 3774619.4,     347.0,     347.0,       0.0);         ( 478791.5,
3774517.7,     345.4,     345.4,       0.0);
     ( 478789.6, 3774444.3,     345.3,     345.3,       0.0);         ( 478748.8,
3774449.8,     345.0,     345.0,       0.0);
     ( 479103.5, 3774681.4,     349.0,     349.0,       0.0);         ( 479094.5,
3774696.2,     349.0,     349.0,       0.0);
     ( 479077.3, 3774697.0,     349.0,     349.0,       0.0);         ( 479101.5,
3774731.7,     349.0,     349.0,       0.0);
     ( 479782.9, 3774151.5,     353.4,     353.4,       0.0);         ( 479890.1,
3774169.2,     354.0,     354.0,       0.0);
     ( 479890.1, 3774137.2,     354.0,     354.0,       0.0);         ( 479913.7,
3774138.0,     354.0,     354.0,       0.0);
     ( 479911.1, 3774168.4,     354.0,     354.0,       0.0);         ( 479885.8,
3774064.6,     354.0,     354.0,       0.0);
     ( 480148.5, 3774029.1,     357.0,     357.0,       0.0);         ( 480198.5,
3774029.1,     357.3,     357.3,       0.0);
     ( 480248.5, 3774029.1,     358.0,     358.0,       0.0);         ( 480298.5,
3774029.1,     358.6,     358.6,       0.0);
     ( 480348.5, 3774029.1,     359.0,     359.0,       0.0);         ( 480398.5,
3774029.1,     359.9,     359.9,       0.0);
     ( 480448.5, 3774029.1,     360.0,     360.0,       0.0);         ( 480498.5,
3774029.1,     361.0,     361.0,       0.0);
     ( 480098.5, 3774079.1,     356.0,     356.0,       0.0);         ( 480148.5,
3774079.1,     357.0,     357.0,       0.0);
     ( 480198.5, 3774079.1,     357.3,     357.3,       0.0);         ( 480248.5,
3774079.1,     358.0,     358.0,       0.0);
     ( 480298.5, 3774079.1,     358.6,     358.6,       0.0);         ( 480348.5,
```

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (480498.5, 3774079.1,   360.9,   360.9,   0.0);   (479998.5,
3774129.1,   355.0,   355.0,   0.0);
     (480048.5, 3774129.1,   356.0,   356.0,   0.0);   (480098.5,
3774129.1,   356.0,   356.0,   0.0);
     (480148.5, 3774129.1,   357.0,   357.0,   0.0);   (480198.5,
3774129.1,   357.3,   357.3,   0.0);
     (480248.5, 3774129.1,   358.0,   358.0,   0.0);   (480298.5,
3774129.1,   358.6,   358.6,   0.0);
     (480348.5, 3774129.1,   359.0,   359.0,   0.0);   (480398.5,
3774129.1,   359.2,   359.2,   0.0);
     (480448.5, 3774129.1,   360.0,   360.0,   0.0);   (480498.5,
3774129.1,   360.3,   360.3,   0.0);
     (479998.5, 3774179.1,   355.0,   355.0,   0.0);   (480048.5,
3774179.1,   356.0,   356.0,   0.0);
     (480098.5, 3774179.1,   356.0,   356.0,   0.0);   (480148.5,
3774179.1,   357.0,   357.0,   0.0);
     (480198.5, 3774179.1,   357.3,   357.3,   0.0);   (480248.5,
3774179.1,   358.0,   358.0,   0.0);
     (480298.5, 3774179.1,   358.6,   358.6,   0.0);   (480348.5,
3774179.1,   359.0,   359.0,   0.0);
     (480398.5, 3774179.1,   359.4,   359.4,   0.0);   (480448.5,
3774179.1,   360.0,   360.0,   0.0);
     (480498.5, 3774179.1,   360.3,   360.3,   0.0);   (479998.5,
3774229.1,   355.6,   355.6,   0.0);
     (480048.5, 3774229.1,   356.0,   356.0,   0.0);   (480098.5,
3774229.1,   356.9,   356.9,   0.0);
     (480148.5, 3774229.1,   357.0,   357.0,   0.0);   (480198.5,
3774229.1,   357.3,   357.3,   0.0);
     (480248.5, 3774229.1,   358.0,   358.0,   0.0);   (480298.5,
3774229.1,   358.6,   358.6,   0.0);
     (480348.5, 3774229.1,   359.0,   359.0,   0.0);   (480398.5,
3774229.1,   360.0,   360.0,   0.0);
     (480448.5, 3774229.1,   360.0,   360.0,   0.0);   (480498.5,
3774229.1,   361.0,   361.0,   0.0);
     (479998.5, 3774279.1,   355.6,   355.6,   0.0);   (480048.5,

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3774279.1,     356.0,     356.0,       0.0);
     ( 480098.5, 3774279.1,     356.9,     356.9,       0.0);         ( 480148.5,
3774279.1,     357.0,     357.0,       0.0);
     ( 480198.5, 3774279.1,     357.8,     357.8,       0.0);         ( 480248.5,
3774279.1,     358.0,     358.0,       0.0);
     ( 480298.5, 3774279.1,     358.6,     358.6,       0.0);         ( 480348.5,
3774279.1,     359.3,     359.3,       0.0);
     ( 480398.5, 3774279.1,     360.0,     360.0,       0.0);         ( 480448.5,
3774279.1,     360.0,     360.0,       0.0);
     ( 480498.5, 3774279.1,     360.5,     360.5,       0.0);         ( 479998.5,
3774329.1,     356.0,     356.0,       0.0);
     ( 480048.5, 3774329.1,     356.3,     356.3,       0.0);         ( 480098.5,
3774329.1,     357.0,     357.0,       0.0);
     ( 480148.5, 3774329.1,     357.0,     357.0,       0.0);         ( 480198.5,
3774329.1,     358.0,     358.0,       0.0);
     ( 480248.5, 3774329.1,     358.0,     358.0,       0.0);         ( 480298.5,
3774329.1,     358.6,     358.6,       0.0);
     ( 480348.5, 3774329.1,     359.0,     359.0,       0.0);         ( 480398.5,
3774329.1,     359.5,     359.5,       0.0);
     ( 480448.5, 3774329.1,     360.0,     360.0,       0.0);         ( 480498.5,
3774329.1,     360.3,     360.3,       0.0);
     ( 479998.5, 3774379.1,     356.0,     356.0,       0.0);         ( 480048.5,
3774379.1,     356.3,     356.3,       0.0);
     ( 480098.5, 3774379.1,     357.0,     357.0,       0.0);         ( 480148.5,
3774379.1,     357.0,     357.0,       0.0);
     ( 480198.5, 3774379.1,     358.0,     358.0,       0.0);         ( 480248.5,
3774379.1,     358.0,     358.0,       0.0);
     ( 480298.5, 3774379.1,     358.6,     358.6,       0.0);         ( 480348.5,
3774379.1,     359.0,     359.0,       0.0);
     ( 480398.5, 3774379.1,     359.0,     359.0,       0.0);         ( 480448.5,
3774379.1,     360.0,     360.0,       0.0);
     ( 480498.5, 3774379.1,     360.3,     360.3,       0.0);         ( 479998.5,
3774429.1,     356.0,     356.0,       0.0);
     ( 480048.5, 3774429.1,     356.8,     356.8,       0.0);         ( 480098.5,
3774429.1,     357.0,     357.0,       0.0);
     ( 480148.5, 3774429.1,     357.5,     357.5,       0.0);         ( 480198.5,
3774429.1,     358.0,     358.0,       0.0);
     ( 480248.5, 3774429.1,     358.0,     358.0,       0.0);         ( 480298.5,
3774429.1,     358.6,     358.6,       0.0);
     ( 480348.5, 3774429.1,     359.0,     359.0,       0.0);         ( 480398.5,
3774429.1,     359.7,     359.7,       0.0);
     ( 480448.5, 3774429.1,     360.0,     360.0,       0.0);         ( 480498.5,
3774429.1,     360.3,     360.3,       0.0);
     ( 479998.5, 3774479.1,     356.3,     356.3,       0.0);         ( 480048.5,
3774479.1,     357.0,     357.0,       0.0);
     ( 480098.5, 3774479.1,     357.0,     357.0,       0.0);         ( 480148.5,
3774479.1,     357.6,     357.6,       0.0);
     ( 480198.5, 3774479.1,     358.0,     358.0,       0.0);         ( 480248.5,
3774479.1,     358.0,     358.0,       0.0);
     ( 480298.5, 3774479.1,     359.0,     359.0,       0.0);         ( 480348.5,
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3774479.1, 359.0, 359.0, 0.0);
(480398.5, 3774479.1, 359.9, 359.9, 0.0); (480448.5, 3774479.1, 360.0, 360.0, 0.0);
(480498.5, 3774479.1, 360.6, 360.6, 0.0); (479998.5, 3774529.1, 356.6, 356.6, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(480048.5, 3774529.1, 357.0, 357.0, 0.0); (480098.5, 3774529.1, 357.1, 357.1, 0.0);
(480148.5, 3774529.1, 358.0, 358.0, 0.0); (480198.5, 3774529.1, 358.0, 358.0, 0.0);
(480248.5, 3774529.1, 358.1, 358.1, 0.0); (480298.5, 3774529.1, 359.0, 359.0, 0.0);
(480348.5, 3774529.1, 359.0, 359.0, 0.0); (480398.5, 3774529.1, 360.0, 360.0, 0.0);
(480448.5, 3774529.1, 360.0, 360.0, 0.0); (480498.5, 3774529.1, 361.0, 361.0, 0.0);
(479998.5, 3774579.1, 356.9, 356.9, 0.0); (480048.5, 3774579.1, 357.0, 357.0, 0.0);
(480098.5, 3774579.1, 357.9, 357.9, 0.0); (480148.5, 3774579.1, 358.0, 358.0, 0.0);
(480198.5, 3774579.1, 358.0, 358.0, 0.0); (480248.5, 3774579.1, 358.9, 358.9, 0.0);
(480298.5, 3774579.1, 359.0, 359.0, 0.0); (480348.5, 3774579.1, 359.8, 359.8, 0.0);
(480398.5, 3774579.1, 360.0, 360.0, 0.0); (480448.5, 3774579.1, 360.5, 360.5, 0.0);
(480498.5, 3774579.1, 361.0, 361.0, 0.0); (479998.5, 3774629.1, 357.0, 357.0, 0.0);
(480048.5, 3774629.1, 357.1, 357.1, 0.0); (480098.5, 3774629.1, 358.0, 358.0, 0.0);
(480148.5, 3774629.1, 358.0, 358.0, 0.0); (480198.5, 3774629.1, 358.6, 358.6, 0.0);
(480248.5, 3774629.1, 359.0, 359.0, 0.0); (480298.5, 3774629.1, 359.8, 359.8, 0.0);
(480348.5, 3774629.1, 360.0, 360.0, 0.0); (480398.5, 3774629.1, 360.0, 360.0, 0.0);
(480448.5, 3774629.1, 361.0, 361.0, 0.0); (480498.5, 3774629.1, 361.6, 361.6, 0.0);
(479998.5, 3774679.1, 357.0, 357.0, 0.0); (480048.5,

3774679.1,   357.3,   357.3,   0.0);
     (480098.5, 3774679.1,   358.0,   358.0,   0.0);   (480148.5,
3774679.1,   358.1,   358.1,   0.0);
     (480198.5, 3774679.1,   359.0,   359.0,   0.0);   (480248.5,
3774679.1,   359.1,   359.1,   0.0);
     (480298.5, 3774679.1,   360.0,   360.0,   0.0);   (480348.5,
3774679.1,   360.0,   360.0,   0.0);
     (480398.5, 3774679.1,   361.0,   361.0,   0.0);   (480448.5,
3774679.1,   361.1,   361.1,   0.0);
     (480498.5, 3774679.1,   362.0,   362.0,   0.0);   (479998.5,
3774729.1,   357.0,   357.0,   0.0);
     (480048.5, 3774729.1,   357.8,   357.8,   0.0);   (480098.5,
3774729.1,   358.0,   358.0,   0.0);
     (480148.5, 3774729.1,   358.6,   358.6,   0.0);   (480198.5,
3774729.1,   359.0,   359.0,   0.0);
     (480248.5, 3774729.1,   359.9,   359.9,   0.0);   (480298.5,
3774729.1,   360.0,   360.0,   0.0);
     (480348.5, 3774729.1,   360.3,   360.3,   0.0);   (480398.5,
3774729.1,   361.0,   361.0,   0.0);
     (480448.5, 3774729.1,   361.6,   361.6,   0.0);   (480498.5,
3774729.1,   362.0,   362.0,   0.0);
     (479998.5, 3774779.1,   357.0,   357.0,   0.0);   (480048.5,
3774779.1,   358.0,   358.0,   0.0);
     (480098.5, 3774779.1,   358.0,   358.0,   0.0);   (480148.5,
3774779.1,   358.6,   358.6,   0.0);
     (480198.5, 3774779.1,   359.3,   359.3,   0.0);   (480248.5,
3774779.1,   360.0,   360.0,   0.0);
     (480298.5, 3774779.1,   360.0,   360.0,   0.0);   (480348.5,
3774779.1,   361.0,   361.0,   0.0);
     (480398.5, 3774779.1,   361.0,   361.0,   0.0);   (480448.5,
3774779.1,   361.8,   361.8,   0.0);
     (480498.5, 3774779.1,   362.0,   362.0,   0.0);   (479998.5,
3774829.1,   357.1,   357.1,   0.0);
     (480048.5, 3774829.1,   358.0,   358.0,   0.0);   (480098.5,
3774829.1,   358.0,   358.0,   0.0);
     (480148.5, 3774829.1,   358.6,   358.6,   0.0);   (480198.5,
3774829.1,   359.3,   359.3,   0.0);
     (480248.5, 3774829.1,   360.0,   360.0,   0.0);   (480298.5,
3774829.1,   360.0,   360.0,   0.0);
     (480348.5, 3774829.1,   361.0,   361.0,   0.0);   (480398.5,
3774829.1,   361.0,   361.0,   0.0);
     (480448.5, 3774829.1,   362.0,   362.0,   0.0);   (480498.5,
3774829.1,   362.3,   362.3,   0.0);
     (479998.5, 3774879.1,   357.6,   357.6,   0.0);   (480048.5,
3774879.1,   358.0,   358.0,   0.0);
     (480098.5, 3774879.1,   358.0,   358.0,   0.0);   (480148.5,
3774879.1,   358.6,   358.6,   0.0);
     (480198.5, 3774879.1,   359.1,   359.1,   0.0);   (480248.5,
3774879.1,   360.0,   360.0,   0.0);
     (480298.5, 3774879.1,   360.0,   360.0,   0.0);   (480348.5,

3774879.1,   361.0,   361.0,   0.0);
     (480398.5, 3774879.1,   361.7,   361.7,   0.0);   (480448.5,
3774879.1,   362.0,   362.0,   0.0);
     (480498.5, 3774879.1,   362.3,   362.3,   0.0);   (479998.5,
3774929.1,   357.6,   357.6,   0.0);
     (480048.5, 3774929.1,   358.0,   358.0,   0.0);   (480098.5,
3774929.1,   358.0,   358.0,   0.0);

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (480148.5, 3774929.1,   359.0,   359.0,   0.0);   (480198.5,
3774929.1,   359.0,   359.0,   0.0);
     (480248.5, 3774929.1,   359.9,   359.9,   0.0);   (480298.5,
3774929.1,   360.0,   360.0,   0.0);
     (480348.5, 3774929.1,   361.0,   361.0,   0.0);   (480398.5,
3774929.1,   361.9,   361.9,   0.0);
     (480448.5, 3774929.1,   362.0,   362.0,   0.0);   (480498.5,
3774929.1,   363.0,   363.0,   0.0);
     (479998.5, 3774979.1,   357.6,   357.6,   0.0);   (480048.5,
3774979.1,   358.0,   358.0,   0.0);
     (480098.5, 3774979.1,   358.0,   358.0,   0.0);   (480148.5,
3774979.1,   359.0,   359.0,   0.0);
     (480198.5, 3774979.1,   359.0,   359.0,   0.0);   (480248.5,
3774979.1,   359.9,   359.9,   0.0);
     (480298.5, 3774979.1,   360.0,   360.0,   0.0);   (480348.5,
3774979.1,   361.0,   361.0,   0.0);
     (480398.5, 3774979.1,   361.9,   361.9,   0.0);   (480448.5,
3774979.1,   362.0,   362.0,   0.0);
     (480498.5, 3774979.1,   363.0,   363.0,   0.0);   (479998.5,
3775029.1,   357.6,   357.6,   0.0);
     (480048.5, 3775029.1,   358.0,   358.0,   0.0);   (480098.5,
3775029.1,   358.0,   358.0,   0.0);
     (480148.5, 3775029.1,   359.0,   359.0,   0.0);   (480198.5,
3775029.1,   359.0,   359.0,   0.0);
     (480248.5, 3775029.1,   359.9,   359.9,   0.0);   (480298.5,
3775029.1,   360.0,   360.0,   0.0);
     (480348.5, 3775029.1,   361.0,   361.0,   0.0);   (480398.5,
3775029.1,   361.9,   361.9,   0.0);
     (480448.5, 3775029.1,   362.0,   362.0,   0.0);   (480498.5,
3775029.1,   363.0,   363.0,   0.0);
     (479998.5, 3775079.1,   357.6,   357.6,   0.0);   (480048.5,

3775079.1,   358.0,   358.0,   0.0);
     (480098.5, 3775079.1,   358.0,   358.0,   0.0);   (480148.5,
3775079.1,   359.0,   359.0,   0.0);
     (480198.5, 3775079.1,   359.0,   359.0,   0.0);   (480248.5,
3775079.1,   359.0,   359.0,   0.0);
     (480298.5, 3775079.1,   360.0,   360.0,   0.0);   (480348.5,
3775079.1,   361.0,   361.0,   0.0);
     (480398.5, 3775079.1,   361.9,   361.9,   0.0);   (480448.5,
3775079.1,   362.6,   362.6,   0.0);
     (480498.5, 3775079.1,   363.3,   363.3,   0.0);   (479998.5,
3775129.1,   357.7,   357.7,   0.0);
     (480048.5, 3775129.1,   358.0,   358.0,   0.0);   (480098.5,
3775129.1,   358.0,   358.0,   0.0);
     (480148.5, 3775129.1,   359.0,   359.0,   0.0);   (480198.5,
3775129.1,   359.0,   359.0,   0.0);
     (480248.5, 3775129.1,   359.1,   359.1,   0.0);   (480298.5,
3775129.1,   360.0,   360.0,   0.0);
     (480348.5, 3775129.1,   361.3,   361.3,   0.0);   (480398.5,
3775129.1,   362.0,   362.0,   0.0);
     (480448.5, 3775129.1,   362.7,   362.7,   0.0);   (480498.5,
3775129.1,   363.4,   363.4,   0.0);
     (479998.5, 3775179.1,   358.0,   358.0,   0.0);   (480048.5,
3775179.1,   358.0,   358.0,   0.0);
     (480098.5, 3775179.1,   358.7,   358.7,   0.0);   (480148.5,
3775179.1,   359.0,   359.0,   0.0);
     (480198.5, 3775179.1,   359.3,   359.3,   0.0);   (480248.5,
3775179.1,   360.0,   360.0,   0.0);
     (480298.5, 3775179.1,   360.8,   360.8,   0.0);   (480348.5,
3775179.1,   361.8,   361.8,   0.0);
     (480398.5, 3775179.1,   362.0,   362.0,   0.0);   (480448.5,
3775179.1,   363.5,   363.5,   0.0);
     (480498.5, 3775179.1,   364.0,   364.0,   0.0);   (479998.5,
3775229.1,   358.0,   358.0,   0.0);
     (480048.5, 3775229.1,   358.0,   358.0,   0.0);   (480098.5,
3775229.1,   358.9,   358.9,   0.0);
     (480148.5, 3775229.1,   359.0,   359.0,   0.0);   (480198.5,
3775229.1,   359.2,   359.2,   0.0);
     (480248.5, 3775229.1,   360.0,   360.0,   0.0);   (480298.5,
3775229.1,   361.0,   361.0,   0.0);
     (480348.5, 3775229.1,   362.0,   362.0,   0.0);   (480398.5,
3775229.1,   362.9,   362.9,   0.0);
     (480448.5, 3775229.1,   363.6,   363.6,   0.0);   (480498.5,
3775229.1,   364.1,   364.1,   0.0);
     (479998.5, 3775279.1,   358.0,   358.0,   0.0);   (480048.5,
3775279.1,   358.0,   358.0,   0.0);
     (480098.5, 3775279.1,   358.9,   358.9,   0.0);   (480148.5,
3775279.1,   359.0,   359.0,   0.0);
     (480198.5, 3775279.1,   359.3,   359.3,   0.0);   (480248.5,
3775279.1,   360.0,   360.0,   0.0);
     (480298.5, 3775279.1,   360.7,   360.7,   0.0);   (480348.5,

3775279.1,   362.3,   362.3,   0.0);
     (480398.5, 3775279.1,   363.0,   363.0,   0.0);   (480448.5,
3775279.1,   364.0,   364.0,   0.0);
     (480498.5, 3775279.1,   364.4,   364.4,   0.0);   (479998.5,
3775329.1,   358.0,   358.0,   0.0);
     (480048.5, 3775329.1,   358.0,   358.0,   0.0);   (480098.5,
3775329.1,   358.9,   358.9,   0.0);
     (480148.5, 3775329.1,   359.0,   359.0,   0.0);   (480198.5,
3775329.1,   359.8,   359.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (480248.5, 3775329.1,   360.0,   360.0,   0.0);   (480298.5,
3775329.1,   361.6,   361.6,   0.0);
     (480348.5, 3775329.1,   362.3,   362.3,   0.0);   (480398.5,
3775329.1,   363.7,   363.7,   0.0);
     (480448.5, 3775329.1,   364.0,   364.0,   0.0);   (480498.5,
3775329.1,   365.0,   365.0,   0.0);
     (479998.5, 3775379.1,   358.0,   358.0,   0.0);   (480048.5,
3775379.1,   358.3,   358.3,   0.0);
     (480098.5, 3775379.1,   359.0,   359.0,   0.0);   (480148.5,
3775379.1,   359.0,   359.0,   0.0);
     (480198.5, 3775379.1,   360.1,   360.1,   0.0);   (480248.5,
3775379.1,   361.0,   361.0,   0.0);
     (480298.5, 3775379.1,   362.3,   362.3,   0.0);   (480348.5,
3775379.1,   363.1,   363.1,   0.0);
     (480398.5, 3775379.1,   364.0,   364.0,   0.0);   (480448.5,
3775379.1,   364.8,   364.8,   0.0);
     (480498.5, 3775379.1,   365.6,   365.6,   0.0);   (479998.5,
3775429.1,   358.1,   358.1,   0.0);
     (480048.5, 3775429.1,   359.0,   359.0,   0.0);   (480098.5,
3775429.1,   359.0,   359.0,   0.0);
     (480148.5, 3775429.1,   359.7,   359.7,   0.0);   (480198.5,
3775429.1,   360.4,   360.4,   0.0);
     (480248.5, 3775429.1,   361.9,   361.9,   0.0);   (480298.5,
3775429.1,   362.7,   362.7,   0.0);
     (480348.5, 3775429.1,   364.0,   364.0,   0.0);   (480398.5,
3775429.1,   365.0,   365.0,   0.0);
     (480448.5, 3775429.1,   365.1,   365.1,   0.0);   (480498.5,
3775429.1,   366.0,   366.0,   0.0);
     (479998.5, 3775479.1,   358.6,   358.6,   0.0);   (480048.5,

3775479.1,   359.0,   359.0,   0.0);
     (480098.5, 3775479.1,   359.0,   359.0,   0.0);   (480148.5,
3775479.1,   360.0,   360.0,   0.0);
     (480198.5, 3775479.1,   361.2,   361.2,   0.0);   (480248.5,
3775479.1,   362.7,   362.7,   0.0);
     (480298.5, 3775479.1,   363.9,   363.9,   0.0);   (480348.5,
3775479.1,   364.8,   364.8,   0.0);
     (480398.5, 3775479.1,   365.7,   365.7,   0.0);   (480448.5,
3775479.1,   365.9,   365.9,   0.0);
     (480498.5, 3775479.1,   367.1,   367.1,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                    (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

                NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.

                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                          (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,
10.80,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                      *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file: KRAL_v9.SFC
                Met Version: 16216
   Profile file: KRAL_v9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:   3171   Upper air station no.:   3190
                 Name: UNKNOWN   Name: UNKNOWN

                 Year: 2012   Year: 2012

 First 24 hours of scalar data
 YR MO DY JDY HR   H0   U*   W* DT/DZ ZICNV ZIMCH M-O LEN   Z0 BOWEN
ALBEDO REF WS   WD   HT REF TA   HT
- -
- - - - - - - - - - - - - - - - - - -
 12 01 01   1 01 -25.6 0.266 -9.000 -9.000 -999. 330.   77.9 0.15   2.40
1.00   2.93   55.   10.1 288.1   2.0
 12 01 01   1 02 -26.8 0.277 -9.000 -9.000 -999. 351.   84.7 0.15   2.40
1.00   3.05   55.   10.1 287.0   2.0
 12 01 01   1 03 -21.5 0.221 -9.000 -9.000 -999. 250.   53.5 0.15   2.40
1.00   2.45   74.   10.1 284.2   2.0
 12 01 01   1 04 -22.0 0.227 -9.000 -9.000 -999. 260.   56.8 0.15   2.40
1.00   2.52   77.   10.1 285.9   2.0
 12 01 01   1 05 -20.0 0.206 -9.000 -9.000 -999. 225.   46.8 0.15   2.40
1.00   2.30   80.   10.1 285.4   2.0
 12 01 01   1 06 -14.4 0.171 -9.000 -9.000 -999. 170.   32.1 0.15   2.40
1.00   1.93   79.   10.1 287.0   2.0
 12 01 01   1 07 -14.9 0.174 -9.000 -9.000 -999. 174.   33.2 0.15   2.40
1.00   1.96   77.   10.1 284.2   2.0
 12 01 01   1 08 -11.9 0.169 -9.000 -9.000 -999. 167.   36.1 0.15   2.40
0.53   1.89   77.   10.1 288.1   2.0
 12 01 01   1 09   40.4 0.234 0.359 0.006   40. 272.   -28.1 0.15   2.40
0.31   2.10   81.   10.1 289.2   2.0
 12 01 01   1 10 112.6 0.246 0.742 0.005 129. 293.   -11.8 0.15   2.40
0.24   1.99 101.   10.1 296.4   2.0
 12 01 01   1 11 161.0 0.402 1.188 0.005 369. 611.   -35.6 0.15   2.40

```
0.21    3.68   78.   10.1  298.8    2.0
 12 01 01   1 12  184.7  0.337  1.516  0.005  668.  473.    -18.4  0.15   2.40
0.20    2.89   68.   10.1  300.4    2.0
 12 01 01   1 13  183.9  0.310  1.809  0.005 1139.  414.    -14.2  0.15   2.40
0.20    2.57   64.   10.1  302.5    2.0
 12 01 01   1 14  156.6  0.374  1.852  0.005 1434.  549.    -29.5  0.15   2.40
0.22    3.37   63.   10.1  303.1    2.0
 12 01 01   1 15  104.3  0.382  1.658  0.005 1546.  567.    -47.2  0.15   2.40
0.25    3.59   62.   10.1  302.5    2.0
 12 01 01   1 16   31.8  0.374  1.123  0.005 1573.  550.   -145.8  0.15   2.40
0.34    3.76   69.   10.1  300.9    2.0
 12 01 01   1 17  -23.3  0.276 -9.000 -9.000 -999.  354.     84.0  0.15   2.40
0.62    3.03   59.   10.1  297.5    2.0
 12 01 01   1 18  -21.5  0.229 -9.000 -9.000 -999.  264.     57.8  0.15   2.40
1.00    2.54   54.   10.1  295.4    2.0
 12 01 01   1 19  -19.3  0.204 -9.000 -9.000 -999.  221.     45.6  0.15   2.40
1.00    2.27   79.   10.1  292.0    2.0
 12 01 01   1 20  -20.7  0.218 -9.000 -9.000 -999.  244.     52.2  0.15   2.40
1.00    2.42   79.   10.1  292.5    2.0
 12 01 01   1 21  -19.7  0.206 -9.000 -9.000 -999.  225.     46.9  0.15   2.40
1.00    2.30   95.   10.1  290.9    2.0
 12 01 01   1 22  -17.6  0.190 -9.000 -9.000 -999.  199.     39.8  0.15   2.40
1.00    2.13   78.   10.1  290.4    2.0
 12 01 01   1 23  -20.3  0.211 -9.000 -9.000 -999.  233.     49.0  0.15   2.40
1.00    2.35   52.   10.1  289.2    2.0
 12 01 01   1 24  -16.4  0.183 -9.000 -9.000 -999.  189.     37.0  0.15   2.40
1.00    2.06   75.   10.1  288.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1   55.    2.93   288.2   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/06/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:57:20

                                   PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
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L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774040.02	1.25678	478220.37	3774040.02	1.36263
478270.37	3774040.02	1.48813	478320.37	3774040.02	1.62792
478170.37	3774090.02	1.22574	478220.37	3774090.02	1.32771
478270.37	3774090.02	1.44844	478320.37	3774090.02	1.58276
478170.37	3774140.02	1.19303	478220.37	3774140.02	1.29085
478270.37	3774140.02	1.40609	478320.37	3774140.02	1.53421
478170.37	3774190.02	1.15937	478220.37	3774190.02	1.25375
478270.37	3774190.02	1.36227	478320.37	3774190.02	1.48381
478170.37	3774240.02	1.12534	478220.37	3774240.02	1.21504
478270.37	3774240.02	1.31789	478320.37	3774240.02	1.43271
478370.37	3774240.02	1.56613	478420.37	3774240.02	1.72219
478470.37	3774240.02	1.90066	478520.37	3774240.02	2.11768
478570.37	3774240.02	2.36881	479570.37	3774240.02	10.53924
479620.37	3774240.02	8.81613	479670.37	3774240.02	7.47863
479720.37	3774240.02	6.45045	479770.37	3774240.02	5.80466
479820.37	3774240.02	5.16450	479870.37	3774240.02	4.63134
479920.37	3774240.02	4.18187	479970.37	3774240.02	4.08487
478170.37	3774290.02	1.09134	478220.37	3774290.02	1.17639
478270.37	3774290.02	1.27358	478320.37		

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3774290.02        1.38171
         478370.37    3774290.02        1.50684                         478420.37
3774290.02        1.65254
         478470.37    3774290.02        1.81828                         478520.37
3774290.02        2.01856
         478570.37    3774290.02        2.24863                         479170.37
3774290.02       18.95425
         479220.37    3774290.02       21.31146                         479270.37
3774290.02       21.68243
         479320.37    3774290.02       19.97258                         479370.37
3774290.02       16.95019
         479420.37    3774290.02       13.94372                         479470.37
3774290.02       11.53226
         479520.37    3774290.02        9.65048                         479570.37
3774290.02        8.20635
         479620.37    3774290.02        7.05301                         479670.37
3774290.02        6.14949
         479720.37    3774290.02        5.37158                         479770.37
3774290.02        4.79794
         479820.37    3774290.02        4.32347                         479870.37
3774290.02        3.92815
         479920.37    3774290.02        3.68584                         479970.37
3774290.02        3.50997
         478170.37    3774340.02        1.05765                         478220.37
3774340.02        1.13810
         478270.37    3774340.02        1.22973                         478320.37
3774340.02        1.33127
         478370.37    3774340.02        1.44827                         478420.37
3774340.02        1.58381
         478470.37    3774340.02        1.73985                         478520.37
3774340.02        1.92103
         478570.37    3774340.02        2.13057                         479170.37
3774340.02       12.79784
         479220.37    3774340.02       13.81934                         479270.37
3774340.02       13.94712
         479320.37    3774340.02       13.16573                         479370.37
3774340.02       11.74272
         479420.37    3774340.02       10.15620                         479470.37
3774340.02        8.71345
         479520.37    3774340.02        7.48959                         479570.37
3774340.02        6.51753
         479620.37    3774340.02        5.71217                         479670.37
3774340.02        5.06599
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:57:20

                                   PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479720.37	3774340.02	4.37345	479770.37	3774340.02	3.96937
479820.37	3774340.02	3.60221	479870.37	3774340.02	3.29149
479920.37	3774340.02	3.04077	479970.37	3774340.02	2.85303
478170.37	3774390.02	1.02441	478220.37	3774390.02	1.10035
478270.37	3774390.02	1.18652	478320.37	3774390.02	1.28162
478370.37	3774390.02	1.39308	478420.37	3774390.02	1.51630
478470.37	3774390.02	1.66063	478520.37	3774390.02	1.82554
478570.37	3774390.02	2.01527	479170.37	3774390.02	9.29510
479220.37	3774390.02	9.80278	479270.37	3774390.02	9.85952
479320.37	3774390.02	9.46013	479370.37	3774390.02	8.69706
479420.37	3774390.02	7.79306	479470.37	3774390.02	6.86715
479520.37	3774390.02	6.04784	479570.37	3774390.02	5.34078
479620.37	3774390.02	4.74428	479670.37	3774390.02	4.04922
479720.37	3774390.02	3.60829	479770.37	3774390.02	3.29979

```
        479820.37    3774390.02        2.93071                    479870.37
3774390.02        2.65945
        479920.37    3774390.02        2.48820                    479970.37
3774390.02        2.32018
        478170.37    3774440.02        0.99166                    478220.37
3774440.02        1.06340
        478270.37    3774440.02        1.14402                    478320.37
3774440.02        1.23282
        478370.37    3774440.02        1.33636                    478420.37
3774440.02        1.45010
        478470.37    3774440.02        1.58240                    478520.37
3774440.02        1.73228
        478570.37    3774440.02        1.90299                    478620.37
3774440.02        2.10454
        478670.37    3774440.02        2.33582                    478720.37
3774440.02        2.60308
        478770.37    3774440.02        2.91471                    478820.37
3774440.02        3.28952
        479320.37    3774440.02        7.18042                    479370.37
3774440.02        6.73913
        479420.37    3774440.02        6.18846                    479470.37
3774440.02        5.58645
        479520.37    3774440.02        5.01674                    479570.37
3774440.02        4.49531
        479620.37    3774440.02        4.03764                    479670.37
3774440.02        3.44951
        479720.37    3774440.02        3.07838                    479770.37
3774440.02        2.82598
        479820.37    3774440.02        2.42188                    479870.37
3774440.02        2.23174
        479920.37    3774440.02        2.03403                    479970.37
3774440.02        1.93184
        478170.37    3774490.02        0.95941                    478220.37
3774490.02        1.02817
        478270.37    3774490.02        1.10223                    478320.37
3774490.02        1.18488
        478370.37    3774490.02        1.28070                    478420.37
3774490.02        1.38525
        478470.37    3774490.02        1.50592                    478520.37
3774490.02        1.64138
        478570.37    3774490.02        1.79408                    478620.37
3774490.02        1.97337
        478670.37    3774490.02        2.17295                    478720.37
3774490.02        2.40099
        478749.26    3774487.73        2.55736                    478820.37
3774490.02        2.96632
        479370.37    3774490.02        5.39330                    479420.37
3774490.02        5.03846
        479470.37    3774490.02        4.63770                    479520.37
3774490.02        4.23638
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479670.37	3774490.02	2.95164	479720.37	3774490.02	2.68496
479770.37	3774490.02	2.34889	479820.37	3774490.02	2.05736
479870.37	3774490.02	1.87892	479920.37	3774490.02	1.74291
479970.37	3774490.02	1.65341	478170.37	3774540.02	0.92830
478220.37	3774540.02	0.99208	478270.37	3774540.02	1.06113
478320.37	3774540.02	1.13778	478370.37	3774540.02	1.22612
478420.37	3774540.02	1.32178	478470.37	3774540.02	1.43131
478520.37	3774540.02	1.55304	478570.37	3774540.02	1.68872
478620.37	3774540.02	1.84599	478670.37	3774540.02	2.01825
478720.37	3774540.02	2.21155	478764.86		

3774550.58 2.35964
478807.52 3774552.41 2.54693 479370.37
3774540.02 4.42593
479420.37 3774540.02 4.18905 479470.37
3774540.02 3.91238
479520.37 3774540.02 3.62499 479570.37
3774540.02 3.33462
479620.37 3774540.02 2.95976 479670.37
3774540.02 2.57772
479720.37 3774540.02 2.37805 479770.37
3774540.02 2.02290
479820.37 3774540.02 1.81937 479870.37
3774540.02 1.65426
479920.37 3774540.02 1.53395 479970.37
3774540.02 1.45265
478170.37 3774590.02 0.89767 478220.37
3774590.02 0.95654
478270.37 3774590.02 1.02071 478320.37
3774590.02 1.09325
478370.37 3774590.02 1.17265 478420.37
3774590.02 1.25985
478470.37 3774590.02 1.35972 478520.37
3774590.02 1.46756
478570.37 3774590.02 1.59112 478620.37
3774590.02 1.72466
478670.37 3774590.02 1.87256 478720.37
3774590.02 2.03632
478776.33 3774602.87 2.18953 478804.31
3774604.25 2.28615
479370.37 3774590.02 3.70604 479420.37
3774590.02 3.53865
479470.37 3774590.02 3.34562 479520.37
3774590.02 3.13551
479570.37 3774590.02 2.91745 479620.37
3774590.02 2.61203
479670.37 3774590.02 2.29035 479720.37
3774590.02 2.00247
479770.37 3774590.02 1.74542 479820.37
3774590.02 1.63341
479870.37 3774590.02 1.48198 479920.37
3774590.02 1.37664
479970.37 3774590.02 1.28136 478170.37
3774640.02 0.86718
478220.37 3774640.02 0.92157 478270.37
3774640.02 0.98102
478320.37 3774640.02 1.04780 478370.37
3774640.02 1.12041
478420.37 3774640.02 1.19950 478470.37
3774640.02 1.28932
478520.37 3774640.02 1.38528 478570.37

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479570.37	3774640.02	2.57248	479620.37	3774640.02	2.23705
479670.37	3774640.02	2.04857	479720.37	3774640.02	1.77021
479770.37	3774640.02	1.57576	479820.37	3774640.02	1.48048
479870.37	3774640.02	1.32496	479920.37	3774640.02	1.25149
479970.37	3774640.02	1.16513	478170.37	3774690.02	0.83683

```
         478220.37    3774690.02        0.88721                    478270.37
3774690.02        0.94211
         478320.37    3774690.02        1.00368                    478370.37
3774690.02        1.06951
         478420.37    3774690.02        1.14098                    478470.37
3774690.02        1.22145
         478520.37    3774690.02        1.30650                    478570.37
3774690.02        1.40188
         478620.37    3774690.02        1.50222                    478670.37
3774690.02        1.61358
         478720.37    3774690.02        1.72954                    478770.37
3774690.02        1.85237
         478820.37    3774690.02        1.98487                    478868.71
3774700.63        2.06713
         478861.34    3774671.12        2.17707                    479026.61
3774722.40        2.32697
         479059.05    3774696.65        2.55267                    479113.74
3774695.09        2.66361
         479370.37    3774690.02        2.72125                    479420.37
3774690.02        2.63541
         479470.37    3774690.02        2.53085                    479520.37
3774690.02        2.40982
         479570.37    3774690.02        2.18455                    479620.37
3774690.02        1.95370
         479670.37    3774690.02        1.84227                    479720.37
3774690.02        1.55807
         479770.37    3774690.02        1.43082                    479820.37
3774690.02        1.29252
         479870.37    3774690.02        1.21157                    479920.37
3774690.02        1.14691
         479970.37    3774690.02        1.06559                    478170.37
3774740.02        0.80687
         478220.37    3774740.02        0.85350                    478270.37
3774740.02        0.90404
         478320.37    3774740.02        0.96067                    478370.37
3774740.02        1.02011
         478420.37    3774740.02        1.08474                    478470.37
3774740.02        1.15634
         478520.37    3774740.02        1.23151                    478570.37
3774740.02        1.31497
         478620.37    3774740.02        1.40169                    478670.37
3774740.02        1.49682
         478720.37    3774740.02        1.59444                    478770.37
3774740.02        1.69854
         478820.37    3774740.02        1.80499                    478862.96
3774730.27        1.93502
         479020.37    3774740.02        2.21763                    479070.37
3774740.02        2.30289
         479120.37    3774740.02        2.37052                    479370.37
3774740.02        2.37589
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                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         478570.37   3774790.02   1.23344   478620.37
         479420.37   3774740.02   2.31229   479470.37
3774740.02   2.23262
         479520.37   3774740.02   2.13964   479570.37
3774740.02   1.92136
         479620.37   3774740.02   1.75443   479670.37
3774740.02   1.66473
         479720.37   3774740.02   1.37591   479770.37
3774740.02   1.27150
         479820.37   3774740.02   1.17305   479870.37
3774740.02   1.11349
         479920.37   3774740.02   1.05692   479970.37
3774740.02   0.98019
         478170.37   3774790.02   0.77747   478220.37
3774790.02   0.82051
         478270.37   3774790.02   0.86689   478320.37
3774790.02   0.91854
         478370.37   3774790.02   0.97234   478420.37
3774790.02   1.03210
         478470.37   3774790.02   1.09418   478520.37
3774790.02   1.16113

3774790.02 1.30836
478670.37 3774790.02 1.38968 478720.37
3774790.02 1.47208
478770.37 3774790.02 1.55946 478820.37
3774790.02 1.64718
478870.37 3774790.02 1.73549 478920.37
3774790.02 1.82043
478970.37 3774790.02 1.90113 479020.37
3774790.02 1.97642
479070.37 3774790.02 2.04083 479120.37
3774790.02 2.09249
479370.37 3774790.02 2.09603 479420.37
3774790.02 2.04736
479470.37 3774790.02 1.98395 479520.37
3774790.02 1.91305
479570.37 3774790.02 1.68231 479620.37
3774790.02 1.58377
479670.37 3774790.02 1.51100 479720.37
3774790.02 1.25382
479770.37 3774790.02 1.16392 479820.37
3774790.02 1.07818
479870.37 3774790.02 1.02722 479920.37
3774790.02 0.95850
479970.37 3774790.02 0.90939 477970.37
3774840.02 0.61274
478020.37 3774840.02 0.64382 478070.37
3774840.02 0.67639
478120.37 3774840.02 0.71168 478170.37
3774840.02 0.74869
478220.37 3774840.02 0.78832 478270.37
3774840.02 0.83226
478320.37 3774840.02 0.87777 478370.37
3774840.02 0.92635
478420.37 3774840.02 0.97994 478470.37
3774840.02 1.03513
478520.37 3774840.02 1.09427 478570.37
3774840.02 1.15730
478620.37 3774840.02 1.22349 478670.37
3774840.02 1.29170
478720.37 3774840.02 1.36146 478770.37
3774840.02 1.43478
478820.37 3774840.02 1.50723 478870.37
3774840.02 1.57949
478920.37 3774840.02 1.64815 478970.37
3774840.02 1.71266
479020.37 3774840.02 1.77243 479070.37
3774840.02 1.82274
479120.37 3774840.02 1.86294 479170.37
3774840.02 1.89084
479220.37 3774840.02 1.90585 479270.37

```
3774840.02        1.90565
         479320.37    3774840.02        1.89281                        479370.37
3774840.02        1.86522
         479420.37    3774840.02        1.82671                        479470.37
3774840.02        1.77748
         479520.37    3774840.02        1.62111                        479570.37
3774840.02        1.49405
         479620.37    3774840.02        1.43669                        479670.37
3774840.02        1.22809
         479720.37    3774840.02        1.14694                        479770.37
3774840.02        1.06912
         479820.37    3774840.02        0.99417                        479870.37
3774840.02        0.95057
         479920.37    3774840.02        0.88533                        479970.37
3774840.02        0.84652
         477970.37    3774890.02        0.59516                        478020.37
3774890.02        0.62327
         478070.37    3774890.02        0.65364                        478120.37
3774890.02        0.68640
         478170.37    3774890.02        0.72058                        478220.37
3774890.02        0.75698
         478270.37    3774890.02        0.79714                        478320.37
3774890.02        0.83844
         478370.37    3774890.02        0.88223                        478420.37
3774890.02        0.93023
         478470.37    3774890.02        0.97924                        478520.37
3774890.02        1.03136
         478570.37    3774890.02        1.08644                        478620.37
3774890.02        1.14377
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/06/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:57:20

                                    PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478670.37	3774890.02	1.20228	478720.37	3774890.02	1.26153
478770.37	3774890.02	1.32325	478820.37	3774890.02	1.38358
478870.37	3774890.02	1.44317	478920.37	3774890.02	1.49919
478970.37	3774890.02	1.55132	479020.37	3774890.02	1.59926
479070.37	3774890.02	1.63923	479120.37	3774890.02	1.67095
479170.37	3774890.02	1.69284	479220.37	3774890.02	1.70457
479270.37	3774890.02	1.70432	479320.37	3774890.02	1.69422
479370.37	3774890.02	1.67244	479420.37	3774890.02	1.64196
479470.37	3774890.02	1.60273	479520.37	3774890.02	1.44158
479570.37	3774890.02	1.35599	479620.37	3774890.02	1.30921
479670.37	3774890.02	1.12307	479720.37	3774890.02	1.05292
479770.37	3774890.02	0.98518	479820.37	3774890.02	0.91933
479870.37	3774890.02	0.88200	479920.37	3774890.02	0.82401
479970.37	3774890.02	0.79008	477970.37	3774940.02	0.57682
478020.37	3774940.02	0.60308	478070.37	3774940.02	0.63135
478120.37	3774940.02	0.66171	478170.37	3774940.02	0.69320
478220.37	3774940.02	0.72658	478270.37	3774940.02	0.76322
478320.37	3774940.02	0.80064	478370.37	3774940.02	0.84007
478420.37	3774940.02	0.88303	478470.37	3774940.02	0.92655
478520.37	3774940.02	0.97250	478570.37	3774940.02	1.02069
478620.37	3774940.02	1.07044	478670.37	3774940.02	1.12078

```
         478720.37    3774940.02        1.17126                        478770.37
3774940.02        1.22312
         478820.37    3774940.02        1.27363                        478870.37
3774940.02        1.32358
         478920.37    3774940.02        1.36969                        478970.37
3774940.02        1.41225
         479020.37    3774940.02        1.45112                        479070.37
3774940.02        1.48329
         479120.37    3774940.02        1.50867                        479170.37
3774940.02        1.52609
         479220.37    3774940.02        1.53539                        479270.37
3774940.02        1.53513
         479320.37    3774940.02        1.52706                        479370.37
3774940.02        1.50962
         479420.37    3774940.02        1.48516                        479470.37
3774940.02        1.45351
         479520.37    3774940.02        1.31053                        479570.37
3774940.02        1.23659
         479620.37    3774940.02        1.19808                        479670.37
3774940.02        1.03096
         479720.37    3774940.02        0.96987                        479770.37
3774940.02        0.88977
         479820.37    3774940.02        0.85239                        479870.37
3774940.02        0.82036
         479920.37    3774940.02        0.76867                        479970.37
3774940.02        0.73905
         477970.37    3774990.02        0.55881                        478020.37
3774990.02        0.58330
         478070.37    3774990.02        0.60956                        478120.37
3774990.02        0.63763
         478170.37    3774990.02        0.66662                        478220.37
3774990.02        0.69718
         478270.37    3774990.02        0.73056                        478320.37
3774990.02        0.76443
         478370.37    3774990.02        0.79992                        478420.37
3774990.02        0.83836
         478470.37    3774990.02        0.87701                        478520.37
3774990.02        0.91756
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:57:20

                                  PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
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                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         478570.37    3774990.02        0.95979                       478620.37
3774990.02        1.00308
         478670.37    3774990.02        1.04652                       478720.37
3774990.02        1.08974
         478770.37    3774990.02        1.13372                       478820.37
3774990.02        1.17631
         478870.37    3774990.02        1.21765                       478920.37
3774990.02        1.25649
         478970.37    3774990.02        1.29156                       479020.37
3774990.02        1.32342
         479070.37    3774990.02        1.34960                       479120.37
3774990.02        1.37016
         479170.37    3774990.02        1.38421                       479220.37
3774990.02        1.39168
         479270.37    3774990.02        1.39142                       479320.37
3774990.02        1.38489
         479370.37    3774990.02        1.37073                       479420.37
3774990.02        1.35087
         479470.37    3774990.02        1.32503                       479520.37
3774990.02        1.19717
         479570.37    3774990.02        1.13267                       479620.37
3774990.02        1.10071
         479670.37    3774990.02        0.94978                       479720.37
3774990.02        0.89620
         479770.37    3774990.02        0.83067                       479820.37
3774990.02        0.79231
         479870.37    3774990.02        0.76474                       479920.37
3774990.02        0.71852
         479970.37    3774990.02        0.69266                       477970.37
3775040.02        0.54115
         478020.37    3775040.02        0.56395                       478070.37
3775040.02        0.58830
         478120.37    3775040.02        0.61424                       478170.37
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3775040.02        0.64087
         478220.37    3775040.02        0.66881                    478270.37
3775040.02        0.69920
         478320.37    3775040.02        0.72985                    478370.37
3775040.02        0.76178
         478420.37    3775040.02        0.79619                    478470.37
3775040.02        0.83055
         478520.37    3775040.02        0.86638                    478570.37
3775040.02        0.90347
         478620.37    3775040.02        0.94122                    478670.37
3775040.02        0.97884
         478720.37    3775040.02        1.01600                    478770.37
3775040.02        1.05358
         478820.37    3775040.02        1.08970                    478870.37
3775040.02        1.12502
         478920.37    3775040.02        1.15703                    478970.37
3775040.02        1.18619
         479020.37    3775040.02        1.21254                    479070.37
3775040.02        1.23407
         479120.37    3775040.02        1.25091                    479170.37
3775040.02        1.26237
         479220.37    3775040.02        1.26844                    479270.37
3775040.02        1.26818
         479320.37    3775040.02        1.26284                    479370.37
3775040.02        1.25122
         479420.37    3775040.02        1.23491                    479470.37
3775040.02        1.21360
         479520.37    3775040.02        1.18877                    479570.37
3775040.02        1.05284
         479620.37    3775040.02        1.01494                    479670.37
3775040.02        0.88211
         479720.37    3775040.02        0.83062                    479770.37
3775040.02        0.78147
         479820.37    3775040.02        0.73822                    479870.37
3775040.02        0.71441
         479920.37    3775040.02        0.67291                    479970.37
3775040.02        0.65031
         477970.37    3775090.02        0.52387                    478020.37
3775090.02        0.54507
         478070.37    3775090.02        0.56762                    478120.37
3775090.02        0.59155
         478170.37    3775090.02        0.61600                    478220.37
3775090.02        0.64153
         478270.37    3775090.02        0.66918                    478320.37
3775090.02        0.69691
         478370.37    3775090.02        0.72564                    478420.37
3775090.02        0.75646
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478470.37	3775090.02	0.78704	478520.37	3775090.02	0.81876
478570.37	3775090.02	0.85141	478620.37	3775090.02	0.88443
478670.37	3775090.02	0.91713	478720.37	3775090.02	0.94921
478770.37	3775090.02	0.98083	478820.37	3775090.02	1.01228
478870.37	3775090.02	1.04224	478920.37	3775090.02	1.06921
478970.37	3775090.02	1.09364	479020.37	3775090.02	1.11564
479070.37	3775090.02	1.13351	479120.37	3775090.02	1.14744
479170.37	3775090.02	1.15687	479220.37	3775090.02	1.16187
479270.37	3775090.02	1.16162	479320.37	3775090.02	1.15720
479370.37	3775090.02	1.14756	479420.37	3775090.02	1.13424
479470.37	3775090.02	1.11630	479520.37	3775090.02	1.09556
479570.37	3775090.02	1.00410	479620.37	3775090.02	0.93905

479670.37 3775090.02 0.91475 479720.37 3775090.02 0.77203
479770.37 3775090.02 0.70980 479820.37 3775090.02 0.68939
479870.37 3775090.02 0.66363 479920.37 3775090.02 0.63133
479970.37 3775090.02 0.61155 477970.37 3775140.02 0.50699
478020.37 3775140.02 0.52668 478070.37 3775140.02 0.54755
478120.37 3775140.02 0.56960 478170.37 3775140.02 0.59203
478220.37 3775140.02 0.61535 478270.37 3775140.02 0.64051
478320.37 3775140.02 0.66560 478370.37 3775140.02 0.69147
478420.37 3775140.02 0.71911 478470.37 3775140.02 0.74637
478520.37 3775140.02 0.77450 478570.37 3775140.02 0.80330
478620.37 3775140.02 0.83228 478670.37 3775140.02 0.86079
478720.37 3775140.02 0.88860 478770.37 3775140.02 0.91571
478820.37 3775140.02 0.94285 478870.37 3775140.02 0.96804
478920.37 3775140.02 0.99129 478970.37 3775140.02 1.01192
479020.37 3775140.02 1.03042 479070.37 3775140.02 1.04539
479120.37 3775140.02 1.05701 479170.37 3775140.02 1.06486
479220.37 3775140.02 1.06901 479270.37 3775140.02 1.06877
479320.37 3775140.02 1.06508 479370.37 3775140.02 1.05701
479420.37 3775140.02 1.04591 479470.37 3775140.02 1.03111
479520.37 3775140.02 1.01335 479570.37 3775140.02 0.94405
479620.37 3775140.02 0.87159 479670.37 3775140.02 0.85086
479720.37 3775140.02 0.71950 479770.37 3775140.02 0.66289
479820.37 3775140.02 0.64522 479870.37 3775140.02 0.62123
479920.37 3775140.02 0.59335 479970.37 3775140.02 0.57169
477970.37 3775190.02 0.49053 478020.37 3775190.02 0.50880

         478370.37   3775190.02   0.65921   478420.37
3775190.02   0.68403
         478470.37   3775190.02   0.70837   478520.37
3775190.02   0.73336
         478570.37   3775190.02   0.75884   478620.37
3775190.02   0.78434
         478670.37   3775190.02   0.80930   478720.37
3775190.02   0.83351
         478770.37   3775190.02   0.85698   478820.37
3775190.02   0.88039
         478870.37   3775190.02   0.90156   478920.37
3775190.02   0.92186
         478970.37   3775190.02   0.93939   479020.37
3775190.02   0.95508
         479070.37   3775190.02   0.96770   479120.37

3775190.02 0.97749
479170.37 3775190.02 0.98407 479220.37
3775190.02 0.98755
479270.37 3775190.02 0.98732 479320.37
3775190.02 0.98421
479370.37 3775190.02 0.97740 479420.37
3775190.02 0.96803
479470.37 3775190.02 0.95581 479520.37
3775190.02 0.94045
479570.37 3775190.02 0.92335 479620.37
3775190.02 0.81136
479670.37 3775190.02 0.79358 479720.37
3775190.02 0.67224
479770.37 3775190.02 0.62053 479820.37
3775190.02 0.60514
479870.37 3775190.02 0.57378 479920.37
3775190.02 0.55860
479970.37 3775190.02 0.53462 477970.37
3775240.02 0.47453
478020.37 3775240.02 0.49147 478070.37
3775240.02 0.50930
478120.37 3775240.02 0.52800 478170.37
3775240.02 0.54687
478220.37 3775240.02 0.56633 478270.37
3775240.02 0.58717
478320.37 3775240.02 0.60776 478370.37
3775240.02 0.62880
478420.37 3775240.02 0.65111 478470.37
3775240.02 0.67288
478520.37 3775240.02 0.69514 478570.37
3775240.02 0.71774
478620.37 3775240.02 0.73978 478670.37
3775240.02 0.76216
478720.37 3775240.02 0.78332 478770.37
3775240.02 0.80373
478820.37 3775240.02 0.82403 478870.37
3775240.02 0.84228
478920.37 3775240.02 0.85973 478970.37
3775240.02 0.87472
479020.37 3775240.02 0.88811 479070.37
3775240.02 0.89884
479120.37 3775240.02 0.90714 479170.37
3775240.02 0.91271
479220.37 3775240.02 0.91564 479270.37
3775240.02 0.91543
479320.37 3775240.02 0.91278 479370.37
3775240.02 0.90699
479420.37 3775240.02 0.89903 479470.37
3775240.02 0.88823
479520.37 3775240.02 0.87549 479570.37

3775240.02   0.81230
         479620.37   3775240.02   0.75738   479670.37
3775240.02   0.66506
         479720.37   3775240.02   0.62959   479770.37
3775240.02   0.58216
         479820.37   3775240.02   0.56871   479870.37
3775240.02   0.54012
         479920.37   3775240.02   0.52675   479970.37
3775240.02   0.50500
         477970.37   3775290.02   0.45835   478020.37
3775290.02   0.47469
         478070.37   3775290.02   0.49116   478120.37
3775290.02   0.50839
         478170.37   3775290.02   0.52569   478220.37
3775290.02   0.54347

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         478270.37   3775290.02   0.56247   478320.37
3775290.02   0.58113
         478370.37   3775290.02   0.60014   478420.37
3775290.02   0.62024
         478470.37   3775290.02   0.63975   478520.37
3775290.02   0.65962

478570.37 3775290.02 0.67971 478620.37
3775290.02 0.69910
478670.37 3775290.02 0.71895 478720.37
3775290.02 0.73750
478770.37 3775290.02 0.75533 478820.37
3775290.02 0.77279
478870.37 3775290.02 0.78882 478920.37
3775290.02 0.80391
478970.37 3775290.02 0.81681 479020.37
3775290.02 0.82830
479070.37 3775290.02 0.83749 479120.37
3775290.02 0.84457
479170.37 3775290.02 0.84931 479220.37
3775290.02 0.85181
479270.37 3775290.02 0.85161 479320.37
3775290.02 0.84935
479370.37 3775290.02 0.84438 479420.37
3775290.02 0.83757
479470.37 3775290.02 0.82821 479520.37
3775290.02 0.81736
479570.37 3775290.02 0.72093 479620.37
3775290.02 0.70880
479670.37 3775290.02 0.61864 479720.37
3775290.02 0.56972
479770.37 3775290.02 0.54732 479820.37
3775290.02 0.53550
479870.37 3775290.02 0.50935 479920.37
3775290.02 0.49727
479970.37 3775290.02 0.47427 477970.37
3775340.02 0.44333
478020.37 3775340.02 0.45848 478070.37
3775340.02 0.47347
478120.37 3775340.02 0.48956 478170.37
3775340.02 0.50543
478220.37 3775340.02 0.52169 478270.37
3775340.02 0.53894
478320.37 3775340.02 0.55597 478370.37
3775340.02 0.57317
478420.37 3775340.02 0.59130 478470.37
3775340.02 0.60881
478520.37 3775340.02 0.62659 478570.37
3775340.02 0.64450
478620.37 3775340.02 0.66170 478670.37
3775340.02 0.67921
478720.37 3775340.02 0.69559 478770.37
3775340.02 0.71123
478820.37 3775340.02 0.72669 478870.37
3775340.02 0.74046
478920.37 3775340.02 0.75357 478970.37
3775340.02 0.76473

```
         479020.37    3775340.02        0.77466                      479070.37
3775340.02        0.78257
         479120.37    3775340.02        0.78865                      479170.37
3775340.02        0.79272
         479220.37    3775340.02        0.79485                      479270.37
3775340.02        0.79467
         479320.37    3775340.02        0.79272                      479370.37
3775340.02        0.78844
         479420.37    3775340.02        0.78258                      479470.37
3775340.02        0.77449
         479520.37    3775340.02        0.76512                      479570.37
3775340.02        0.67548
         479620.37    3775340.02        0.66493                      479670.37
3775340.02        0.58112
         479720.37    3775340.02        0.53596                      479770.37
3775340.02        0.51558
         479820.37    3775340.02        0.50516                      479870.37
3775340.02        0.48115
         479920.37    3775340.02        0.47041                      479970.37
3775340.02        0.44926
         477970.37    3775390.02        0.42879                      478020.37
3775390.02        0.44284
         478070.37    3775390.02        0.45668                      478120.37
3775390.02        0.47151
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/06/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:57:20

                                   PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
```

Y-COORD (M)   CONC
- -
478170.37   3775390.02   0.48609   478220.37
3775390.02   0.50097
478270.37   3775390.02   0.51613   478320.37
3775390.02   0.53220
478370.37   3775390.02   0.54778   478420.37
3775390.02   0.56416
478470.37   3775390.02   0.57992   478520.37
3775390.02   0.59567
478570.37   3775390.02   0.61186   478620.37
3775390.02   0.62717
478670.37   3775390.02   0.64267   478720.37
3775390.02   0.65718
478770.37   3775390.02   0.67095   478820.37
3775390.02   0.68453
478870.37   3775390.02   0.69657   478920.37
3775390.02   0.70801
478970.37   3775390.02   0.71772   479020.37
3775390.02   0.72634
479070.37   3775390.02   0.73319   479120.37
3775390.02   0.73845
479170.37   3775390.02   0.74195   479220.37
3775390.02   0.74379
479270.37   3775390.02   0.74362   479320.37
3775390.02   0.74193
479370.37   3775390.02   0.73822   479420.37
3775390.02   0.73315
479470.37   3775390.02   0.72613   479520.37
3775390.02   0.71798
479570.37   3775390.02   0.65913   479620.37
3775390.02   0.58354
479670.37   3775390.02   0.53990   479720.37
3775390.02   0.50520
479770.37   3775390.02   0.48660   479820.37
3775390.02   0.47018
479870.37   3775390.02   0.45526   479920.37
3775390.02   0.43731
479970.37   3775390.02   0.42617   477970.37
3775440.02   0.41474
478020.37   3775440.02   0.42759   478070.37
3775440.02   0.44057
478120.37   3775440.02   0.45367   478170.37
3775440.02   0.46763
478220.37   3775440.02   0.48126   478270.37
3775440.02   0.49510
478320.37   3775440.02   0.50966   478370.37
3775440.02   0.52388
478420.37   3775440.02   0.53809   478470.37

```
3775440.02        0.55291
         478520.37    3775440.02        0.56702                        478570.37
3775440.02        0.58158
         478620.37    3775440.02        0.59524                        478670.37
3775440.02        0.60873
         478720.37    3775440.02        0.62190                        478770.37
3775440.02        0.63406
         478820.37    3775440.02        0.64604                        478870.37
3775440.02        0.65706
         478920.37    3775440.02        0.66665                        478970.37
3775440.02        0.67514
         479020.37    3775440.02        0.68266                        479070.37
3775440.02        0.68862
         479120.37    3775440.02        0.69319                        479170.37
3775440.02        0.69623
         479220.37    3775440.02        0.69782                        479270.37
3775440.02        0.69766
         479320.37    3775440.02        0.69619                        479370.37
3775440.02        0.69295
         479420.37    3775440.02        0.68854                        479470.37
3775440.02        0.68241
         479520.37    3775440.02        0.67530                        479570.37
3775440.02        0.62377
         479620.37    3775440.02        0.54970                        479670.37
3775440.02        0.50277
         479720.37    3775440.02        0.47279                        479770.37
3775440.02        0.45994
         479820.37    3775440.02        0.44158                        479870.37
3775440.02        0.42968
         479920.37    3775440.02        0.41302                        479970.37
3775440.02        0.40482
         477970.37    3775490.02        0.40118                        478020.37
3775490.02        0.41273
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:57:20

                                   PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
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, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478070.37	3775490.02	0.42506	478120.37	3775490.02	0.43718
478170.37	3775490.02	0.44986	478220.37	3775490.02	0.46253
478270.37	3775490.02	0.47518	478320.37	3775490.02	0.48836
478370.37	3775490.02	0.50139	478420.37	3775490.02	0.51426
478470.37	3775490.02	0.52767	478520.37	3775490.02	0.54037
478570.37	3775490.02	0.55345	478620.37	3775490.02	0.56567
478670.37	3775490.02	0.57771	478720.37	3775490.02	0.58942
478770.37	3775490.02	0.60021	478820.37	3775490.02	0.61081
478870.37	3775490.02	0.62054	478920.37	3775490.02	0.62898
478970.37	3775490.02	0.63643	479020.37	3775490.02	0.64302
479070.37	3775490.02	0.64824	479120.37	3775490.02	0.65223
479170.37	3775490.02	0.65488	479220.37	3775490.02	0.65627
479270.37	3775490.02	0.65612	479320.37	3775490.02	0.65483
479370.37	3775490.02	0.65199	479420.37	3775490.02	0.64812
479470.37	3775490.02	0.64275	479520.37	3775490.02	0.63651
479570.37	3775490.02	0.58835	479620.37	3775490.02	0.51897
479670.37	3775490.02	0.47516	479720.37	3775490.02	0.44267
479770.37	3775490.02	0.43548	479820.37	3775490.02	0.41678
479870.37	3775490.02	0.40509	479920.37	3775490.02	0.39244

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         479970.37    3775490.02        0.38429                        477970.37
3775540.02        0.38813
         478020.37    3775540.02        0.39883                        478070.37
3775540.02        0.40995
         478120.37    3775540.02        0.42143                        478170.37
3775540.02        0.43281
         478220.37    3775540.02        0.44474                        478270.37
3775540.02        0.45632
         478320.37    3775540.02        0.46805                        478370.37
3775540.02        0.48022
         478420.37    3775540.02        0.49189                        478470.37
3775540.02        0.50391
         478520.37    3775540.02        0.51551                        478570.37
3775540.02        0.52729
         478620.37    3775540.02        0.53825                        478670.37
3775540.02        0.54887
         478720.37    3775540.02        0.55948                        478770.37
3775540.02        0.56907
         478820.37    3775540.02        0.57849                        478870.37
3775540.02        0.58683
         478920.37    3775540.02        0.59456                        478970.37
3775540.02        0.60113
         479020.37    3775540.02        0.60694                        479070.37
3775540.02        0.61152
         479120.37    3775540.02        0.61503                        479170.37
3775540.02        0.61735
         479220.37    3775540.02        0.61856                        479270.37
3775540.02        0.61842
         479320.37    3775540.02        0.61729                        479370.37
3775540.02        0.61479
         479420.37    3775540.02        0.61139                        479470.37
3775540.02        0.60665
         479520.37    3775540.02        0.60116                        479570.37
3775540.02        0.55603
         479620.37    3775540.02        0.49087                        479670.37
3775540.02        0.44986
         479720.37    3775540.02        0.41952                        479770.37
3775540.02        0.40417
         479820.37    3775540.02        0.39576                        479870.37
3775540.02        0.37991
         479920.37    3775540.02        0.37331                        479970.37
3775540.02        0.35959
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:57:20

                                   PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478861.36	3774619.36	2.43042	478791.49	3774517.73	2.63998
478789.65	3774444.30	3.02710	478748.80	3774449.81	2.72819
479103.48	3774681.38	2.74938	479094.51	3774696.20	2.62339
479077.34	3774696.98	2.58658	479101.53	3774731.70	2.39793
479782.92	3774151.51	7.04026	479890.06	3774169.23	5.33257
479890.06	3774137.17	5.63865	479913.68	3774138.01	5.32316
479911.15	3774168.38	5.08733	479885.84	3774064.62	5.98286
480148.50	3774029.13	4.34848	480198.50	3774029.13	4.03097
480248.50	3774029.13	3.77591	480298.50	3774029.13	3.53956
480348.50	3774029.13	3.31573	480398.50	3774029.13	3.13443
480448.50	3774029.13	2.94032	480498.50	3774029.13	2.79123
480098.50	3774079.13	4.66148	480148.50	3774079.13	4.35484
480198.50	3774079.13	4.02630	480248.50	3774079.13	3.76264
480298.50	3774079.13	3.51995	480348.50	3774079.13	3.29170
480398.50	3774079.13	3.10660	480448.50		

3774079.13 2.91068
480498.50 3774079.13 2.75781 479998.50
3774129.13 5.16319
480048.50 3774129.13 4.90302 480098.50
3774129.13 4.46734
480148.50 3774129.13 4.16996 480198.50
3774129.13 3.85746
480248.50 3774129.13 3.60472 480298.50
3774129.13 3.37286
480348.50 3774129.13 3.15581 480398.50
3774129.13 2.95653
480448.50 3774129.13 2.79283 480498.50
3774129.13 2.63174
479998.50 3774179.13 4.69730 480048.50
3774179.13 4.46543
480098.50 3774179.13 4.09037 480148.50
3774179.13 3.82324
480198.50 3774179.13 3.54929 480248.50
3774179.13 3.32383
480298.50 3774179.13 3.11718 480348.50
3774179.13 2.92438
480398.50 3774179.13 2.75166 480448.50
3774179.13 2.59930
480498.50 3774179.13 2.45502 479998.50
3774229.13 4.21328
480048.50 3774229.13 3.89206 480098.50
3774229.13 3.63041
480148.50 3774229.13 3.37167 480198.50
3774229.13 3.14884
480248.50 3774229.13 2.96024 480298.50
3774229.13 2.78735
480348.50 3774229.13 2.62714 480398.50
3774229.13 2.48903
480448.50 3774229.13 2.35179 480498.50
3774229.13 2.23727
479998.50 3774279.13 3.51877 480048.50
3774279.13 3.28025
480098.50 3774279.13 3.07424 480148.50
3774279.13 2.88264
480198.50 3774279.13 2.71699 480248.50
3774279.13 2.56207
480298.50 3774279.13 2.42467 480348.50
3774279.13 2.29950
480398.50 3774279.13 2.18495 480448.50
3774279.13 2.07665
480498.50 3774279.13 1.97905 479998.50
3774329.13 2.87810
480048.50 3774329.13 2.70809 480098.50
3774329.13 2.55106
480148.50 3774329.13 2.41554 480198.50

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         480248.50   3774329.13   2.17353   480298.50
3774329.13   2.06774
         480348.50   3774329.13   1.97126   480398.50
3774329.13   1.88196
         480448.50   3774329.13   1.79956   480498.50
3774329.13   1.72326
         479998.50   3774379.13   2.35137   480048.50
3774379.13   2.22669
         480098.50   3774379.13   2.10558   480148.50
3774379.13   2.00975
         480198.50   3774379.13   1.90669   480248.50
3774379.13   1.82646
         480298.50   3774379.13   1.74522   480348.50
3774379.13   1.67270
         480398.50   3774379.13   1.60794   480448.50
3774379.13   1.54119
         480498.50   3774379.13   1.48332   479998.50
3774429.13   1.95114
         480048.50   3774429.13   1.83637   480098.50
3774429.13   1.75346

480148.50 3774429.13 1.67140 480198.50
3774429.13 1.59638
480248.50 3774429.13 1.53716 480298.50
3774429.13 1.47286
480348.50 3774429.13 1.41711 480398.50
3774429.13 1.36158
480448.50 3774429.13 1.31487 480498.50
3774429.13 1.27076
479998.50 3774479.13 1.65025 480048.50
3774479.13 1.55318
480098.50 3774479.13 1.48845 480148.50
3774479.13 1.41519
480198.50 3774479.13 1.35536 480248.50
3774479.13 1.30821
480298.50 3774479.13 1.24850 480348.50
3774479.13 1.20928
480398.50 3774479.13 1.16049 480448.50
3774479.13 1.12632
480498.50 3774479.13 1.08848 479998.50
3774529.13 1.42879
480048.50 3774529.13 1.35147 480098.50
3774529.13 1.29113
480148.50 3774529.13 1.21874 480198.50
3774529.13 1.17385
480248.50 3774529.13 1.13139 480298.50
3774529.13 1.07950
480348.50 3774529.13 1.04598 480398.50
3774529.13 1.00327
480448.50 3774529.13 0.97514 480498.50
3774529.13 0.93849
479998.50 3774579.13 1.26597 480048.50
3774579.13 1.20303
480098.50 3774579.13 1.12718 480148.50
3774579.13 1.07983
480198.50 3774579.13 1.03832 480248.50
3774579.13 0.98492
480298.50 3774579.13 0.95132 480348.50
3774579.13 0.91016
480398.50 3774579.13 0.88140 480448.50
3774579.13 0.85160
480498.50 3774579.13 0.82372 479998.50
3774629.13 1.14530
480048.50 3774629.13 1.08677 480098.50
3774629.13 1.01879
480148.50 3774629.13 0.97484 480198.50
3774629.13 0.92571
480248.50 3774629.13 0.88489 480298.50
3774629.13 0.84339
480348.50 3774629.13 0.81323 480398.50
3774629.13 0.78834

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         480448.50    3774629.13        0.75495                      480498.50
3774629.13        0.72881
         479998.50    3774679.13        1.04983                      480048.50
3774679.13        0.99258
         480098.50    3774679.13        0.93292                      480148.50
3774679.13        0.89149
         480198.50    3774679.13        0.84027                      480248.50
3774679.13        0.80676
         480298.50    3774679.13        0.76615                      480348.50
3774679.13        0.73980
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:57:20

                                    PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         480398.50    3774679.13        0.70638                      480448.50
3774679.13        0.68420
         480498.50    3774679.13        0.65629                      479998.50
3774729.13        0.96942
         480048.50    3774729.13        0.90661                      480098.50
3774729.13        0.86266
         480148.50    3774729.13        0.81545                      480198.50
3774729.13        0.77660
         480248.50    3774729.13        0.73444                      480298.50
3774729.13        0.70690
         480348.50    3774729.13        0.67914                      480398.50
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3774729.13 0.64982
480448.50 3774729.13 0.62400 480498.50
3774729.13 0.60242
479998.50 3774779.13 0.89970 480048.50
3774779.13 0.83959
480098.50 3774779.13 0.80272 480148.50
3774779.13 0.75922
480198.50 3774779.13 0.71945 480248.50
3774779.13 0.68325
480298.50 3774779.13 0.65801 480348.50
3774779.13 0.62505
480398.50 3774779.13 0.60410 480448.50
3774779.13 0.57829
480498.50 3774779.13 0.55900 479998.50
3774829.13 0.83685
480048.50 3774829.13 0.78356 480098.50
3774829.13 0.75029
480148.50 3774829.13 0.71037 480198.50
3774829.13 0.67358
480248.50 3774829.13 0.63989 480298.50
3774829.13 0.61639
480348.50 3774829.13 0.58539 480398.50
3774829.13 0.56569
480448.50 3774829.13 0.53959 480498.50
3774829.13 0.52088
479998.50 3774879.13 0.77159 480048.50
3774879.13 0.73354
480098.50 3774879.13 0.70364 480148.50
3774879.13 0.66709
480198.50 3774879.13 0.63572 480248.50
3774879.13 0.60228
480298.50 3774879.13 0.58007 480348.50
3774879.13 0.55097
480398.50 3774879.13 0.52675 480448.50
3774879.13 0.50789
480498.50 3774879.13 0.49023 479998.50
3774929.13 0.72246
480048.50 3774929.13 0.68840 480098.50
3774929.13 0.66161
480148.50 3774929.13 0.62366 480198.50
3774929.13 0.60022
480248.50 3774929.13 0.56849 480298.50
3774929.13 0.54783
480348.50 3774929.13 0.52052 480398.50
3774929.13 0.49611
480448.50 3774929.13 0.48005 480498.50
3774929.13 0.45880
479998.50 3774979.13 0.67779 480048.50
3774979.13 0.64734
480098.50 3774979.13 0.62341 480148.50

3774979.13   0.58868
         480198.50   3774979.13   0.56734   480248.50
3774979.13   0.53793
         480298.50   3774979.13   0.51883   480348.50
3774979.13   0.49323
         480398.50   3774979.13   0.47026   480448.50
3774979.13   0.45521
         480498.50   3774979.13   0.43511   479998.50
3775029.13   0.63699
         480048.50   3775029.13   0.60977   480098.50
3775029.13   0.58844
         480148.50   3775029.13   0.55671   480198.50
3775029.13   0.53734
         480248.50   3775029.13   0.51014   480298.50
3775029.13   0.49251
         480348.50   3775029.13   0.46854   480398.50
3775029.13   0.44692
         480448.50   3775029.13   0.43281   480498.50
3775029.13   0.41378

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         479998.50   3775079.13   0.59958   480048.50
3775079.13   0.57524

480098.50 3775079.13 0.55626 480148.50
3775079.13 0.52728
480198.50 3775079.13 0.50977 480248.50
3775079.13 0.49289
480298.50 3775079.13 0.46843 480348.50
3775079.13 0.44602
480398.50 3775079.13 0.42571 480448.50
3775079.13 0.40863
480498.50 3775079.13 0.39278 479998.50
3775129.13 0.56468
480048.50 3775129.13 0.54340 480098.50
3775129.13 0.52653
480148.50 3775129.13 0.50006 480198.50
3775129.13 0.48400
480248.50 3775129.13 0.46807 480298.50
3775129.13 0.44624
480348.50 3775129.13 0.42339 480398.50
3775129.13 0.40597
480448.50 3775129.13 0.38996 480498.50
3775129.13 0.37481
479998.50 3775179.13 0.52904 480048.50
3775179.13 0.51396
480098.50 3775179.13 0.49171 480148.50
3775179.13 0.47477
480198.50 3775179.13 0.45815 480248.50
3775179.13 0.43892
480298.50 3775179.13 0.42041 480348.50
3775179.13 0.40102
480398.50 3775179.13 0.38810 480448.50
3775179.13 0.36864
480498.50 3775179.13 0.35547 479998.50
3775229.13 0.50007
480048.50 3775229.13 0.48671 480098.50
3775229.13 0.46451
480148.50 3775229.13 0.45122 480198.50
3775229.13 0.43719
480248.50 3775229.13 0.41869 480298.50
3775229.13 0.39998
480348.50 3775229.13 0.38253 480398.50
3775229.13 0.36632
480448.50 3775229.13 0.35249 480498.50
3775229.13 0.34024
479998.50 3775279.13 0.47332 480048.50
3775279.13 0.46145
480098.50 3775279.13 0.44112 480148.50
3775279.13 0.42923
480198.50 3775279.13 0.41561 480248.50
3775279.13 0.39946
480298.50 3775279.13 0.38403 480348.50
3775279.13 0.36462

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         480398.50    3775279.13        0.35089                      480448.50
3775279.13        0.33644
         480498.50    3775279.13        0.32563                      479998.50
3775329.13        0.44861
         480048.50    3775329.13        0.43802                      480098.50
3775329.13        0.41934
         480148.50    3775329.13        0.40868                      480198.50
3775329.13        0.39261
         480248.50    3775329.13        0.38153                      480298.50
3775329.13        0.36230
         480348.50    3775329.13        0.34934                      480398.50
3775329.13        0.33324
         480448.50    3775329.13        0.32319                      480498.50
3775329.13        0.31045
         479998.50    3775379.13        0.42574                      480048.50
3775379.13        0.41370
         480098.50    3775379.13        0.39865                      480148.50
3775379.13        0.38946
         480198.50    3775379.13        0.37283                      480248.50
3775379.13        0.35898
         480298.50    3775379.13        0.34346                      480348.50
3775379.13        0.33095
         480398.50    3775379.13        0.31894                      480448.50
3775379.13        0.30755
         480498.50    3775379.13        0.29658                      479998.50
3775429.13        0.40403
         480048.50    3775429.13        0.38799                      480098.50
3775429.13        0.37974
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:57:20

                                    PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480148.50	3775429.13	0.36700	480198.50	3775429.13	0.35464
480248.50	3775429.13	0.33814	480298.50	3775429.13	0.32679
480348.50	3775429.13	0.31354	480398.50	3775429.13	0.30250
480448.50	3775429.13	0.29484	480498.50	3775429.13	0.28417
479998.50	3775479.13	0.37988	480048.50	3775479.13	0.36955
480098.50	3775479.13	0.36211	480148.50	3775479.13	0.34825
480198.50	3775479.13	0.33420	480248.50	3775479.13	0.31983
480298.50	3775479.13	0.30793	480348.50	3775479.13	0.29775
480398.50	3775479.13	0.28796	480448.50	3775479.13	0.28084
480498.50	3775479.13	0.27062			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478170.37	3774040.02	11.27548	(16101924)	478220.37	3774040.02	12.01275	(16101924)
478270.37	3774040.02	12.92596	(16101924)	478320.37	3774040.02	13.87314	(16102007)
478170.37	3774090.02	11.46295	(15012917)	478220.37	3774090.02	12.20852	(15012917)
478270.37	3774090.02	13.13988	(15012917)	478320.37	3774090.02	14.08731	(15012917)
478170.37	3774140.02	11.42171	(15012917)	478220.37	3774140.02	12.16508	(15012917)
478270.37	3774140.02	13.08553	(15012917)	478320.37	3774140.02	14.02442	(15012917)
478170.37	3774190.02	11.11758	(15012908)	478220.37	3774190.02	11.86694	(15012908)
478270.37	3774190.02	12.72786	(15012908)	478320.37	3774190.02	13.66709	(16100705)
478170.37	3774240.02	11.06820	(16100705)	478220.37	3774240.02	11.79157	(16100705)
478270.37	3774240.02	12.61867	(16100705)	478320.37	3774240.02	13.47610	(16100705)
478370.37	3774240.02	14.46619	(16100705)	478420.37	3774240.02	15.61011	(16100705)
478470.37	3774240.02	17.03367	(13112720)	478520.37	3774240.02	18.83186	(13112720)
478570.37	3774240.02	20.73335	(13112720)	479570.37	3774240.02	77.34316	(12041107)
479620.37	3774240.02	64.53997	(12041107)	479670.37	3774240.02	53.21261	(12041107)
479720.37	3774240.02	43.03147	(12041107)	479770.37	3774240.02	36.15094	(16102617)
479820.37	3774240.02	32.19385	(12081120)	479870.37	3774240.02	28.94065	(12090519)
479920.37	3774240.02	26.38797	(13091419)	479970.37	3774240.02	29.03069	(13083021)
478170.37	3774290.02	10.82702	(13112720)	478220.37	3774290.02	11.61082	(13112720)
478270.37	3774290.02	12.50174	(13112720)	478320.37	3774290.02	13.42715	(13112720)
478370.37	3774290.02	14.48524	(13112720)	478420.37	3774290.02	15.69399	(13112720)
478470.37	3774290.02	16.95076	(13112720)	478520.37	3774290.02	18.48815	(13112720)
478570.37	3774290.02	20.23953	(16111017)	479170.37	3774290.02	99.92833	(16021806)

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        479220.37   3774290.02      111.31615  (13090718)                479270.37
3774290.02      109.21462  (14022508)
        479320.37   3774290.02      142.30267  (13112916)                479370.37
3774290.02      143.29386  (13112916)
        479420.37   3774290.02       95.17193  (13112916)                479470.37
3774290.02       72.03945  (16041118)
        479520.37   3774290.02       68.96411  (14041207)                479570.37
3774290.02       60.76130  (14041207)
        479620.37   3774290.02       51.31449  (12041107)                479670.37
3774290.02       47.56745  (12041107)
        479720.37   3774290.02       42.57329  (12041107)                479770.37
3774290.02       37.30557  (12041107)
        479820.37   3774290.02       31.97324  (12041107)                479870.37
3774290.02       28.53141  (16102617)
        479920.37   3774290.02       29.11643  (15070506)                479970.37
3774290.02       31.20338  (16062906)
        478170.37   3774340.02       10.88734  (13112720)                478220.37
3774340.02       11.58521  (13112720)
        478270.37   3774340.02       12.36436  (13112720)                478320.37
3774340.02       13.14699  (13112720)
        478370.37   3774340.02       14.11190  (14011323)                478420.37
3774340.02       15.40753  (16111017)
        478470.37   3774340.02       16.85499  (16111017)                478520.37
3774340.02       18.43097  (16111017)
        478570.37   3774340.02       20.06602  (16111017)                479170.37
3774340.02       78.72128  (15122518)
        479220.37   3774340.02       87.75861  (13090718)                479270.37
3774340.02       84.44816  (14022508)
        479320.37   3774340.02       89.92431  (13112916)                479370.37
3774340.02      104.46160  (13112916)
        479420.37   3774340.02       88.73174  (13112916)                479470.37
3774340.02       59.74432  (15101019)
        479520.37   3774340.02       53.87948  (16041118)                479570.37
3774340.02       46.53965  (16041118)
        479620.37   3774340.02       42.61999  (14041207)                479670.37
3774340.02       38.35158  (14041207)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:57:20

                                   PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
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L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479720.37	3774340.02	35.82872	(16090621)	479770.37	3774340.02	32.18686	(12082819)
479820.37	3774340.02	30.61865	(12082819)	479870.37	3774340.02	31.32401	(16111417)
479920.37	3774340.02	31.21673	(16111417)	479970.37	3774340.02	31.09606	(15090822)
478170.37	3774390.02	10.62879	(14011323)	478220.37	3774390.02	11.35603	(16111017)
478270.37	3774390.02	12.25143	(16111017)	478320.37	3774390.02	13.15865	(16111017)
478370.37	3774390.02	14.22760	(16111017)	478420.37	3774390.02	15.26048	(16111017)
478470.37	3774390.02	16.42221	(16111017)	478520.37	3774390.02	17.57854	(16111017)
478570.37	3774390.02	19.00391	(13052302)	479170.37	3774390.02	65.61061	(13090718)
479220.37	3774390.02	70.34475	(13090718)	479270.37	3774390.02	67.33702	(14022508)
479320.37	3774390.02	64.88081	(16111019)	479370.37	3774390.02	74.53180	(13112916)
479420.37	3774390.02	74.54325	(13112916)	479470.37	3774390.02	57.71463	(13112916)
479520.37	3774390.02	45.52478	(15101019)	479570.37	3774390.02	42.28325	(16041118)
479620.37	3774390.02	37.71750	(16041118)	479670.37	3774390.02	36.89044	(13031818)
479720.37	3774390.02	34.66906	(13090921)	479770.37	3774390.02	31.56760	(13090921)
479820.37	3774390.02	32.81767	(13081820)	479870.37	3774390.02	32.93026	(13081722)
479920.37	3774390.02	31.51193	(16062023)	479970.37	3774390.02	30.20644	(14110719)
478170.37	3774440.02	10.68976	(16111017)	478220.37	3774440.02	11.38817	(16111017)
478270.37	3774440.02	12.13116	(16111017)	478320.37			

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3774440.02       12.85259  (16111017)
        478370.37   3774440.02       13.68100  (16111017)               478420.37
3774440.02       14.53966  (13052302)
        478470.37   3774440.02       15.66213  (13052302)               478520.37
3774440.02       16.75557  (16100301)
        478570.37   3774440.02       18.21890  (16100301)               478620.37
3774440.02       20.15636  (15091504)
        478670.37   3774440.02       22.21625  (15091504)               478720.37
3774440.02       24.09460  (15091504)
        478770.37   3774440.02       26.41249  (16021808)               478820.37
3774440.02       29.89264  (16021808)
        479320.37   3774440.02       53.93404  (16111019)               479370.37
3774440.02       52.01653  (13112916)
        479420.37   3774440.02       59.13294  (13112916)               479470.37
3774440.02       53.45502  (13112916)
        479520.37   3774440.02       41.46872  (15101019)               479570.37
3774440.02       36.36534  (13102820)
        479620.37   3774440.02       34.26118  (16041118)               479670.37
3774440.02       35.20871  (16041118)
        479720.37   3774440.02       32.83158  (12092019)               479770.37
3774440.02       29.77560  (13031818)
        479820.37   3774440.02       32.88543  (15082722)               479870.37
3774440.02       31.38171  (13062306)
        479920.37   3774440.02       31.54608  (12080223)               479970.37
3774440.02       29.39543  (12091522)
        478170.37   3774490.02       10.46799  (16111017)               478220.37
3774490.02       11.05383  (16111017)
        478270.37   3774490.02       11.58850  (13052302)               478320.37
3774490.02       12.33194  (13052302)
        478370.37   3774490.02       13.16530  (13052302)               478420.37
3774490.02       13.98106  (16100301)
        478470.37   3774490.02       15.10132  (16100301)               478520.37
3774490.02       16.44290  (15091504)
        478570.37   3774490.02       17.91150  (15091504)               478620.37
3774490.02       19.44565  (15091504)
        478670.37   3774490.02       20.80883  (13050502)               478720.37
3774490.02       22.98738  (16021808)
        478749.26   3774487.73       24.38529  (16021808)               478820.37
3774490.02       27.12901  (14091624)
        479370.37   3774490.02       41.00266  (16122407)               479420.37
3774490.02       45.25911  (13112916)
        479470.37   3774490.02       46.12440  (13112916)               479520.37
3774490.02       38.59814  (13112916)
        479570.37   3774490.02       33.71695  (15101019)               479620.37
3774490.02       32.53100  (12071219)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       15:57:20
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479670.37	3774490.02	33.89646	(12071219)	479720.37	3774490.02	31.21940	(16041118)
479770.37	3774490.02	31.46750	(16072623)	479820.37	3774490.02	32.46125	(16061920)
479870.37	3774490.02	32.00231	(15082722)	479920.37	3774490.02	30.53246	(14083022)
479970.37	3774490.02	28.28607	(13062306)	478170.37	3774540.02	10.08986	(13052302)
478220.37	3774540.02	10.69147	(13052302)	478270.37	3774540.02	11.24480	(13052302)
478320.37	3774540.02	11.90418	(16100301)	478370.37	3774540.02	12.76904	(16100301)
478420.37	3774540.02	13.72700	(15091504)	478470.37	3774540.02	14.90696	(15091504)
478520.37	3774540.02	16.00975	(15091504)	478570.37	3774540.02	16.96671	(15091504)
478620.37	3774540.02	18.32808	(16021808)	478670.37	3774540.02	20.19539	(16021808)
478720.37	3774540.02	21.78675	(16021808)	478764.86	3774550.58	22.71609	(14091624)
478807.52	3774552.41	24.32892	(14091624)	479370.37	3774540.02	36.26078	(16111019)
479420.37	3774540.02	35.05382	(16122407)	479470.37	3774540.02	37.96273	(13112916)
479520.37	3774540.02	35.54107	(13112916)	479570.37	3774540.02	30.19731	(15101019)

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        479620.37   3774540.02       30.49496  (15101019)               479670.37
3774540.02       31.21387  (12071219)
        479720.37   3774540.02       29.63335  (12071219)               479770.37
3774540.02       31.76610  (12071219)
        479820.37   3774540.02       30.91666  (15072106)               479870.37
3774540.02       30.43796  (15072106)
        479920.37   3774540.02       28.99449  (15082722)               479970.37
3774540.02       27.38483  (15082722)
        478170.37   3774590.02        9.78603  (13052302)               478220.37
3774590.02       10.35876  (16100301)
        478270.37   3774590.02       10.97054  (16100301)               478320.37
3774590.02       11.73890  (15091504)
        478370.37   3774590.02       12.63624  (15091504)               478420.37
3774590.02       13.47739  (15091504)
        478470.37   3774590.02       14.33480  (15091504)               478520.37
3774590.02       15.15122  (13050502)
        478570.37   3774590.02       16.48075  (16021808)               478620.37
3774590.02       17.89484  (16021808)
        478670.37   3774590.02       19.05028  (16021808)               478720.37
3774590.02       20.16872  (14091624)
        478776.33   3774602.87       21.44787  (14091624)               478804.31
3774604.25       22.26926  (16092018)
        479370.37   3774590.02       32.23645  (16111019)               479420.37
3774590.02       30.29495  (16122407)
        479470.37   3774590.02       30.24774  (13112916)               479520.37
3774590.02       31.10435  (13112916)
        479570.37   3774590.02       27.57257  (13112916)               479620.37
3774590.02       28.10893  (15101019)
        479670.37   3774590.02       28.57681  (15101019)               479720.37
3774590.02       30.34810  (12071219)
        479770.37   3774590.02       32.25419  (12071219)               479820.37
3774590.02       29.82539  (12071219)
        479870.37   3774590.02       29.03625  (14092320)               479920.37
3774590.02       27.95575  (15072106)
        479970.37   3774590.02       26.81334  (12071222)               478170.37
3774640.02        9.60981  (16100301)
        478220.37   3774640.02       10.17218  (15091504)               478270.37
3774640.02       10.87102  (15091504)
        478320.37   3774640.02       11.59340  (15091504)               478370.37
3774640.02       12.24415  (15091504)
        478420.37   3774640.02       12.81417  (13050502)               478470.37
3774640.02       13.62327  (13050502)
        478520.37   3774640.02       14.80352  (16021808)               478570.37
3774640.02       15.97873  (16021808)
        478620.37   3774640.02       16.82729  (16021808)               478670.37
3774640.02       17.81073  (14091624)
        478720.37   3774640.02       19.09901  (14091624)               478770.37
3774640.02       20.21335  (16092018)
        478820.37   3774640.02       21.69307  (16092018)               478870.37
3774640.02       22.55485  (14040103)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479370.37	3774640.02	28.79365	(16111019)	479420.37	3774640.02	26.22925	(16122407)
479470.37	3774640.02	26.34910	(16122407)	479520.37	3774640.02	26.27250	(13112916)
479570.37	3774640.02	25.32494	(13112916)	479620.37	3774640.02	26.86504	(15101019)
479670.37	3774640.02	27.00349	(15101019)	479720.37	3774640.02	28.59025	(14051521)
479770.37	3774640.02	29.19331	(12071219)	479820.37	3774640.02	28.50145	(12071219)
479870.37	3774640.02	28.53642	(12071219)	479920.37	3774640.02	26.57890	(14092320)
479970.37	3774640.02	25.76510	(15072106)	478170.37	3774690.02	9.53632	(15091504)
478220.37	3774690.02	10.09315	(15091504)	478270.37	3774690.02	10.61316	(15091504)
478320.37	3774690.02	11.12666	(15091504)	478370.37	3774690.02	11.69142	(13050502)
478420.37	3774690.02	12.42070	(16021808)	478470.37	3774690.02	13.45348	(16021808)
478520.37	3774690.02	14.28060	(16021808)	478570.37			

3774690.02 14.99451 (16021808)
478620.37 3774690.02 15.84635 (14091624) 478670.37
3774690.02 16.90585 (14091624)
478720.37 3774690.02 17.75364 (16092018) 478770.37
3774690.02 19.00606 (16092018)
478820.37 3774690.02 19.73812 (14040103) 478868.71
3774700.63 20.42719 (13021808)
478861.34 3774671.12 21.06427 (14040103) 479026.61
3774722.40 22.23753 (15122518)
479059.05 3774696.65 24.15106 (15122518) 479113.74
3774695.09 26.52868 (13090718)
479370.37 3774690.02 25.81449 (16111019) 479420.37
3774690.02 23.58467 (16111019)
479470.37 3774690.02 23.52035 (16122407) 479520.37
3774690.02 22.58926 (16122407)
479570.37 3774690.02 23.95693 (12121601) 479620.37
3774690.02 25.58463 (15031520)
479670.37 3774690.02 24.68761 (15101019) 479720.37
3774690.02 27.77037 (15101019)
479770.37 3774690.02 27.52550 (13063021) 479820.37
3774690.02 27.79713 (15090821)
479870.37 3774690.02 27.19899 (12071219) 479920.37
3774690.02 25.71372 (12071219)
479970.37 3774690.02 24.67920 (14092320) 478170.37
3774740.02 9.36281 (15091504)
478220.37 3774740.02 9.75848 (15091504) 478270.37
3774740.02 10.15764 (13050502)
478320.37 3774740.02 10.69392 (13050502) 478370.37
3774740.02 11.44919 (16021808)
478420.37 3774740.02 12.22082 (16021808) 478470.37
3774740.02 12.92590 (16021808)
478520.37 3774740.02 13.38631 (16021808) 478570.37
3774740.02 14.24444 (14091624)
478620.37 3774740.02 15.03506 (14091624) 478670.37
3774740.02 15.75417 (16092018)
478720.37 3774740.02 16.85622 (16092018) 478770.37
3774740.02 17.53603 (16092018)
478820.37 3774740.02 18.14012 (13021808) 478862.96
3774730.27 19.44581 (13021808)
479020.37 3774740.02 21.39111 (15122518) 479070.37
3774740.02 22.25407 (13090718)
479120.37 3774740.02 24.63512 (13090718) 479370.37
3774740.02 23.27067 (16111019)
479420.37 3774740.02 21.73514 (16111019) 479470.37
3774740.02 20.94308 (16122407)
479520.37 3774740.02 20.70750 (16122407) 479570.37
3774740.02 22.57560 (12121601)
479620.37 3774740.02 23.74893 (15031520) 479670.37
3774740.02 22.34697 (16112620)
479720.37 3774740.02 26.71490 (16090403) 479770.37

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478570.37   3774790.02   13.55505 (14091624)   478620.37
3774790.02   14.03086 (16092018)
        478670.37   3774790.02   15.07734 (16092018)   478720.37
3774790.02   15.67537 (16092018)
        478770.37   3774790.02   16.16316 (14040103)   478820.37
3774790.02   17.06523 (13021808)
        478870.37   3774790.02   17.72116 (16121606)   478920.37
3774790.02   18.42719 (16021806)

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        478970.37   3774790.02       18.61416  (16021806)                479020.37
3774790.02       19.68093  (15122518)
        479070.37   3774790.02       20.71310  (13090718)                479120.37
3774790.02       22.47212  (13090718)
        479370.37   3774790.02       21.08814  (16111019)                479420.37
3774790.02       20.05037  (16111019)
        479470.37   3774790.02       18.60729  (16122407)                479520.37
3774790.02       18.88374  (16122407)
        479570.37   3774790.02       21.42379  (12121601)                479620.37
3774790.02       21.64766  (15031520)
        479670.37   3774790.02       21.11950  (15031520)                479720.37
3774790.02       24.89296  (15031120)
        479770.37   3774790.02       24.97606  (16090403)                479820.37
3774790.02       24.98369  (14071423)
        479870.37   3774790.02       24.02539  (13063021)                479920.37
3774790.02       23.78983  (15090821)
        479970.37   3774790.02       22.79227  (12071219)                477970.37
3774840.02        7.42125  (15091504)
        478020.37   3774840.02        7.75424  (15091504)                478070.37
3774840.02        8.03014  (15091504)
        478120.37   3774840.02        8.36026  (13050502)                478170.37
3774840.02        8.69629  (13050502)
        478220.37   3774840.02        9.19638  (16021808)                478270.37
3774840.02        9.81475  (16021808)
        478320.37   3774840.02       10.31213  (16021808)                478370.37
3774840.02       10.70322  (16021808)
        478420.37   3774840.02       11.01311  (16021808)                478470.37
3774840.02       11.70441  (14091624)
        478520.37   3774840.02       12.27037  (14091624)                478570.37
3774840.02       12.66206  (16092018)
        478620.37   3774840.02       13.56672  (16092018)                478670.37
3774840.02       14.15562  (16092018)
        478720.37   3774840.02       14.49860  (14040103)                478770.37
3774840.02       15.18334  (13021808)
        478820.37   3774840.02       15.81927  (13021808)                478870.37
3774840.02       16.35690  (16121606)
        478920.37   3774840.02       16.91896  (16021806)                478970.37
3774840.02       17.20634  (15122518)
        479020.37   3774840.02       18.04834  (15122518)                479070.37
3774840.02       19.28532  (13090718)
        479120.37   3774840.02       20.57646  (13090718)                479170.37
3774840.02       20.56555  (13090718)
        479220.37   3774840.02       19.53542  (14121123)                479270.37
3774840.02       19.42049  (14022508)
        479320.37   3774840.02       19.15380  (14022508)                479370.37
3774840.02       19.19395  (16111019)
        479420.37   3774840.02       18.51302  (16111019)                479470.37
3774840.02       16.79670  (16111019)
        479520.37   3774840.02       19.61503  (16122407)                479570.37
3774840.02       20.61458  (16122407)
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        479620.37   3774840.02       20.03264  (12121601)               479670.37
3774840.02       23.89615  (15062006)
        479720.37   3774840.02       23.65967  (15062006)               479770.37
3774840.02       23.41842  (15031120)
        479820.37   3774840.02       23.41662  (16090403)               479870.37
3774840.02       22.65460  (14071423)
        479920.37   3774840.02       22.83927  (12081701)               479970.37
3774840.02       21.85510  (15090821)
        477970.37   3774890.02        7.24445  (15091504)               478020.37
3774890.02        7.46240  (13050502)
        478070.37   3774890.02        7.78059  (13050502)               478120.37
3774890.02        8.09063  (16021808)
        478170.37   3774890.02        8.60866  (16021808)               478220.37
3774890.02        9.07963  (16021808)
        478270.37   3774890.02        9.52922  (16021808)               478320.37
3774890.02        9.83677  (16021808)
        478370.37   3774890.02       10.08181  (14091624)               478420.37
3774890.02       10.73241  (14091624)
        478470.37   3774890.02       11.19463  (14091624)               478520.37
3774890.02       11.48507  (14091624)
        478570.37   3774890.02       12.26911  (16092018)               478620.37
3774890.02       12.84142  (16092018)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:57:20

                                    PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                   L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - -
        478670.37   3774890.02       13.12852  (14040103)                478720.37
3774890.02       13.53354  (13021808)
        478770.37   3774890.02       14.28179  (13021808)                478820.37
3774890.02       14.73085  (16121606)
        478870.37   3774890.02       15.27474  (16021806)                478920.37
3774890.02       15.45327  (16021806)
        478970.37   3774890.02       16.07729  (15122518)                479020.37
3774890.02       16.53867  (15122518)
        479070.37   3774890.02       17.97161  (13090718)                479120.37
3774890.02       18.90080  (13090718)
        479170.37   3774890.02       18.71748  (13090718)                479220.37
3774890.02       17.85211  (14121123)
        479270.37   3774890.02       17.73898  (14022508)                479320.37
3774890.02       17.57046  (14022508)
        479370.37   3774890.02       17.54172  (16111019)                479420.37
3774890.02       17.13526  (16111019)
        479470.37   3774890.02       15.81735  (16111019)                479520.37
3774890.02       18.40724  (16122407)
        479570.37   3774890.02       19.28018  (16122407)                479620.37
3774890.02       18.33098  (12121601)
        479670.37   3774890.02       21.96882  (15062006)                479720.37
3774890.02       22.56535  (15062006)
        479770.37   3774890.02       22.03739  (15062006)                479820.37
3774890.02       22.13955  (14100622)
        479870.37   3774890.02       21.25734  (16090403)                479920.37
3774890.02       21.62154  (12081701)
        479970.37   3774890.02       20.83583  (12081701)                477970.37
3774940.02        7.01545  (13050502)
        478020.37   3774940.02        7.26036  (13050502)                478070.37
3774940.02        7.61019  (16021808)
        478120.37   3774940.02        8.07321  (16021808)                478170.37
3774940.02        8.46608  (16021808)
        478220.37   3774940.02        8.79248  (16021808)                478270.37
3774940.02        9.07680  (16021808)
        478320.37   3774940.02        9.33176  (14091624)                478370.37
3774940.02        9.84722  (14091624)
        478420.37   3774940.02       10.28594  (14091624)                478470.37
3774940.02       10.52001  (14091624)
        478520.37   3774940.02       11.16383  (16092018)                478570.37
3774940.02       11.69451  (16092018)
        478620.37   3774940.02       11.97548  (16092018)                478670.37
3774940.02       12.28764  (14040103)
        478720.37   3774940.02       12.88915  (13021808)                478770.37
3774940.02       13.27895  (13021808)
        478820.37   3774940.02       13.70032  (16021806)                478870.37
3774940.02       14.18202  (16021806)
        478920.37   3774940.02       14.18221  (15122518)                478970.37
3774940.02       14.98675  (15122518)
        479020.37   3774940.02       15.30746  (13090718)                479070.37
```

3774940.02   16.76770 (13090718)
        479120.37   3774940.02   17.41895 (13090718)   479170.37
3774940.02   17.11644 (13090718)
        479220.37   3774940.02   16.39950 (14121123)   479270.37
3774940.02   16.28929 (14022508)
        479320.37   3774940.02   16.19343 (14022508)   479370.37
3774940.02   16.09329 (16111019)
        479420.37   3774940.02   15.89124 (16111019)   479470.37
3774940.02   14.88866 (16111019)
        479520.37   3774940.02   16.70715 (16122407)   479570.37
3774940.02   17.90722 (16122407)
        479620.37   3774940.02   17.28178 (16122407)   479670.37
3774940.02   20.52857 (16111018)
        479720.37   3774940.02   21.11333 (15062006)   479770.37
3774940.02   22.03415 (15062006)
        479820.37   3774940.02   21.00995 (15031120)   479870.37
3774940.02   20.12834 (14100622)
        479920.37   3774940.02   20.46546 (16072601)   479970.37
3774940.02   19.86464 (12081701)
        477970.37   3774990.02   6.79421 (13050502)   478020.37
3774990.02   7.17822 (16021808)
        478070.37   3774990.02   7.56231 (16021808)   478120.37
3774990.02   7.91326 (16021808)
        478170.37   3774990.02   8.17965 (16021808)   478220.37
3774990.02   8.36680 (16021808)
        478270.37   3774990.02   8.67149 (14091624)   478320.37
3774990.02   9.11759 (14091624)
        478370.37   3774990.02   9.45635 (14091624)   478420.37
3774990.02   9.69951 (14091624)
        478470.37   3774990.02   10.22690 (16092018)   478520.37
3774990.02   10.70475 (16092018)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478570.37	3774990.02	10.99202	(16092018)	478620.37	3774990.02	11.26870	(14040103)
478670.37	3774990.02	11.70156	(13021808)	478720.37	3774990.02	12.14422	(13021808)
478770.37	3774990.02	12.50224	(16121606)	478820.37	3774990.02	12.90371	(16021806)
478870.37	3774990.02	13.08676	(16021806)	478920.37	3774990.02	13.42744	(15122518)
478970.37	3774990.02	13.94963	(15122518)	479020.37	3774990.02	14.50729	(13090718)
479070.37	3774990.02	15.66675	(13090718)	479120.37	3774990.02	16.10369	(13090718)
479170.37	3774990.02	15.71991	(13090718)	479220.37	3774990.02	15.13564	(14121123)
479270.37	3774990.02	15.02894	(14022508)	479320.37	3774990.02	14.98720	(14022508)
479370.37	3774990.02	14.81731	(16111019)	479420.37	3774990.02	14.76767	(16111019)
479470.37	3774990.02	14.01535	(16111019)	479520.37	3774990.02	15.47895	(12022721)
479570.37	3774990.02	16.54336	(16122407)	479620.37	3774990.02	16.33648	(16122407)
479670.37	3774990.02	19.60024	(16111018)	479720.37	3774990.02	19.44437	(15062006)
479770.37	3774990.02	20.71837	(15062006)	479820.37	3774990.02	20.04693	(15062006)
479870.37	3774990.02	19.24828	(15031120)	479920.37	3774990.02	19.49908	(16102719)
479970.37	3774990.02	18.86345	(16072601)	477970.37	3775040.02	6.79052	(16021808)
478020.37	3775040.02	7.10738	(16021808)	478070.37	3775040.02	7.39221	(16021808)
478120.37	3775040.02	7.63111	(16021808)	478170.37	3775040.02	7.77689	(16021808)
478220.37	3775040.02	8.05376	(14091624)	478270.37	3775040.02	8.47541	(14091624)
478320.37	3775040.02	8.77012	(14091624)	478370.37	3775040.02	8.94586	(14091624)
478420.37	3775040.02	9.42744	(16092018)	478470.37	3775040.02	9.85656	(16092018)

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        478520.37   3775040.02       10.13028  (16092018)               478570.37
3775040.02       10.35354  (14040103)
        478620.37   3775040.02       10.63916  (13021808)               478670.37
3775040.02       11.14285  (13021808)
        478720.37   3775040.02       11.39592  (16121606)               478770.37
3775040.02       11.72746  (16021806)
        478820.37   3775040.02       12.08704  (16021806)               478870.37
3775040.02       12.06366  (16021806)
        478920.37   3775040.02       12.67671  (15122518)               478970.37
3775040.02       12.97385  (15122518)
        479020.37   3775040.02       13.74546  (13090718)               479070.37
3775040.02       14.66077  (13090718)
        479120.37   3775040.02       14.93192  (13090718)               479170.37
3775040.02       14.49411  (13090718)
        479220.37   3775040.02       14.02786  (14121123)               479270.37
3775040.02       13.92492  (14022508)
        479320.37   3775040.02       13.92370  (14022508)               479370.37
3775040.02       13.68795  (16111019)
        479420.37   3775040.02       13.75185  (16111019)               479470.37
3775040.02       13.19869  (16111019)
        479520.37   3775040.02       12.14170  (16111019)               479570.37
3775040.02       14.97396  (16122407)
        479620.37   3775040.02       15.34318  (16122407)               479670.37
3775040.02       18.36770  (16111018)
        479720.37   3775040.02       18.45058  (16111018)               479770.37
3775040.02       19.02716  (15062006)
        479820.37   3775040.02       19.34449  (15062006)               479870.37
3775040.02       18.18889  (15031120)
        479920.37   3775040.02       18.66025  (16072103)               479970.37
3775040.02       18.00577  (16102719)
        477970.37   3775090.02        6.70232  (16021808)               478020.37
3775090.02        6.93109  (16021808)
        478070.37   3775090.02        7.11797  (16021808)               478120.37
3775090.02        7.25059  (16021808)
        478170.37   3775090.02        7.53670  (14091624)               478220.37
3775090.02        7.87542  (14091624)
        478270.37   3775090.02        8.16467  (14091624)               478320.37
3775090.02        8.31933  (14091624)
        478370.37   3775090.02        8.68867  (16092018)               478420.37
3775090.02        9.12604  (16092018)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:57:20

                                   PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
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INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478470.37	3775090.02	9.38245	(16092018)	478520.37	3775090.02	9.54428	(14040103)
478570.37	3775090.02	9.75412	(14040103)	478620.37	3775090.02	10.22559	(13021808)
478670.37	3775090.02	10.51619	(13021808)	478720.37	3775090.02	10.78844	(16121606)
478770.37	3775090.02	11.09888	(16021806)	478820.37	3775090.02	11.27131	(16021806)
478870.37	3775090.02	11.40201	(15122518)	478920.37	3775090.02	11.94342	(15122518)
478970.37	3775090.02	12.06266	(15122518)	479020.37	3775090.02	13.02489	(13090718)
479070.37	3775090.02	13.74150	(13090718)	479120.37	3775090.02	13.88414	(13090718)
479170.37	3775090.02	13.41191	(13090718)	479220.37	3775090.02	13.05040	(14121123)
479270.37	3775090.02	12.95130	(14022508)	479320.37	3775090.02	12.98045	(14022508)
479370.37	3775090.02	12.68386	(16111019)	479420.37	3775090.02	12.83635	(16111019)
479470.37	3775090.02	12.43775	(16111019)	479520.37	3775090.02	11.58409	(16111019)
479570.37	3775090.02	12.96530	(16122407)	479620.37	3775090.02	14.33589	(16122407)
479670.37	3775090.02	14.07151	(16122407)	479720.37	3775090.02	17.70429	(16111018)
479770.37	3775090.02	18.28885	(13070304)	479820.37	3775090.02	18.35581	(15062006)
479870.37	3775090.02	17.89137	(15062006)	479920.37	3775090.02	17.59838	(15031120)
479970.37	3775090.02	17.24032	(16072103)	477970.37			

3775140.02 6.52262 (16021808)
  478020.37 3775140.02 6.66545 (16021808) 478070.37
3775140.02 6.76020 (16021808)
  478120.37 3775140.02 7.07348 (14091624) 478170.37
3775140.02 7.37241 (14091624)
  478220.37 3775140.02 7.59800 (14091624) 478270.37
3775140.02 7.76402 (14091624)
  478320.37 3775140.02 8.07424 (16092018) 478370.37
3775140.02 8.44463 (16092018)
  478420.37 3775140.02 8.73138 (16092018) 478470.37
3775140.02 8.83600 (14040103)
  478520.37 3775140.02 9.05750 (14040103) 478570.37
3775140.02 9.38793 (13021808)
  478620.37 3775140.02 9.74077 (13021808) 478670.37
3775140.02 9.95585 (16121606)
  478720.37 3775140.02 10.18508 (16021806) 478770.37
3775140.02 10.46495 (16021806)
  478820.37 3775140.02 10.47387 (16021806) 478870.37
3775140.02 10.86092 (15122518)
  478920.37 3775140.02 11.23644 (15122518) 478970.37
3775140.02 11.34187 (13090718)
  479020.37 3775140.02 12.34641 (13090718) 479070.37
3775140.02 12.90092 (13090718)
  479120.37 3775140.02 12.94382 (13090718) 479170.37
3775140.02 12.45140 (13090718)
  479220.37 3775140.02 12.18273 (14121123) 479270.37
3775140.02 12.08740 (14022508)
  479320.37 3775140.02 12.13932 (14022508) 479370.37
3775140.02 11.78735 (16111019)
  479420.37 3775140.02 12.00239 (16111019) 479470.37
3775140.02 11.73714 (16111019)
  479520.37 3775140.02 11.04570 (16111019) 479570.37
3775140.02 11.68482 (12022721)
  479620.37 3775140.02 13.33983 (16122407) 479670.37
3775140.02 13.33266 (16122407)
  479720.37 3775140.02 16.82381 (16111018) 479770.37
3775140.02 17.52688 (16111018)
  479820.37 3775140.02 17.17058 (15062006) 479870.37
3775140.02 17.26240 (15062006)
  479920.37 3775140.02 16.81606 (15080323) 479970.37
3775140.02 16.68760 (16072103)
  477970.37 3775190.02 6.26577 (16021808) 478020.37
3775190.02 6.32838 (16021808)
  478070.37 3775190.02 6.64062 (14091624) 478120.37
3775190.02 6.92173 (14091624)
  478170.37 3775190.02 7.12161 (14091624) 478220.37
3775190.02 7.24200 (14091624)
  478270.37 3775190.02 7.52832 (16092018) 478320.37
3775190.02 7.87408 (16092018)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478370.37	3775190.02	8.11695	(16092018)	478420.37	3775190.02	8.26845	(16092018)
478470.37	3775190.02	8.43895	(14040103)	478520.37	3775190.02	8.63492	(13021808)
478570.37	3775190.02	9.01701	(13021808)	478620.37	3775190.02	9.20892	(13021808)
478670.37	3775190.02	9.45754	(16121606)	478720.37	3775190.02	9.70671	(16021806)
478770.37	3775190.02	9.83117	(16021806)	478820.37	3775190.02	9.79455	(15122518)
478870.37	3775190.02	10.31887	(15122518)	478920.37	3775190.02	10.56129	(15122518)
478970.37	3775190.02	10.87363	(13090718)	479020.37	3775190.02	11.70952	(13090718)
479070.37	3775190.02	12.13147	(13090718)	479120.37	3775190.02	12.09699	(13090718)
479170.37	3775190.02	11.59469	(13090718)	479220.37	3775190.02	11.40826	(14121123)
479270.37	3775190.02	11.31660	(14022508)	479320.37	3775190.02	11.38552	(14022508)
479370.37	3775190.02	10.99368	(14022508)	479420.37	3775190.02	11.24351	(16111019)

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        479470.37   3775190.02       11.08584  (16111019)              479520.37
3775190.02       10.52955  (16111019)
        479570.37   3775190.02        9.66930  (16111019)              479620.37
3775190.02       12.37295  (16122407)
        479670.37   3775190.02       12.57048  (16122407)              479720.37
3775190.02       15.85767  (16111018)
        479770.37   3775190.02       16.88846  (16111018)              479820.37
3775190.02       16.09258  (13070304)
        479870.37   3775190.02       16.76829  (15062006)              479920.37
3775190.02       16.35725  (15062006)
        479970.37   3775190.02       16.00408  (15080323)              477970.37
3775240.02        5.97638  (14091624)
        478020.37   3775240.02        6.25740  (14091624)              478070.37
3775240.02        6.50084  (14091624)
        478120.37   3775240.02        6.69399  (14091624)              478170.37
3775240.02        6.80156  (14091624)
        478220.37   3775240.02        7.01292  (16092018)              478270.37
3775240.02        7.36381  (16092018)
        478320.37   3775240.02        7.59869  (16092018)              478370.37
3775240.02        7.72595  (16092018)
        478420.37   3775240.02        7.88966  (14040103)              478470.37
3775240.02        7.99135  (14040103)
        478520.37   3775240.02        8.35465  (13021808)              478570.37
3775240.02        8.59530  (13021808)
        478620.37   3775240.02        8.77524  (16121606)              478670.37
3775240.02        8.97717  (16021806)
        478720.37   3775240.02        9.20819  (16021806)              478770.37
3775240.02        9.20496  (16021806)
        478820.37   3775240.02        9.41581  (15122518)              478870.37
3775240.02        9.80011  (15122518)
        478920.37   3775240.02        9.92106  (15122518)              478970.37
3775240.02       10.41984  (13090718)
        479020.37   3775240.02       11.11287  (13090718)              479070.37
3775240.02       11.42618  (13090718)
        479120.37   3775240.02       11.33180  (13090718)              479170.37
3775240.02       10.82707  (13090718)
        479220.37   3775240.02       10.71352  (14121123)              479270.37
3775240.02       10.62537  (14022508)
        479320.37   3775240.02       10.70689  (14022508)              479370.37
3775240.02       10.37973  (14022508)
        479420.37   3775240.02       10.55233  (16111019)              479470.37
3775240.02       10.46660  (16111019)
        479520.37   3775240.02       10.03728  (16111019)              479570.37
3775240.02       10.70690  (12022721)
        479620.37   3775240.02       11.50047  (12022721)              479670.37
3775240.02       14.06804  (13100921)
        479720.37   3775240.02       14.84578  (16111018)              479770.37
3775240.02       16.12300  (16111018)
        479820.37   3775240.02       15.49312  (16111018)              479870.37
3775240.02       15.84497  (15060920)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479920.37	3775240.02	15.70923	(15062006)	479970.37	3775240.02	15.58216	(15080323)
477970.37	3775290.02	5.89640	(14091624)	478020.37	3775290.02	6.12798	(14091624)
478070.37	3775290.02	6.29404	(14091624)	478120.37	3775290.02	6.40488	(14091624)
478170.37	3775290.02	6.57847	(16092018)	478220.37	3775290.02	6.87893	(16092018)
478270.37	3775290.02	7.13151	(16092018)	478320.37	3775290.02	7.26475	(16092018)
478370.37	3775290.02	7.36388	(14040103)	478420.37	3775290.02	7.51509	(14040103)
478470.37	3775290.02	7.75657	(13021808)	478520.37	3775290.02	8.02279	(13021808)
478570.37	3775290.02	8.15451	(16121606)	478620.37	3775290.02	8.35806	(16121606)
478670.37	3775290.02	8.59176	(16021806)	478720.37	3775290.02	8.70194	(16021806)
478770.37	3775290.02	8.60343	(14040102)	478820.37	3775290.02	9.02237	(15122518)
478870.37	3775290.02	9.29480	(15122518)	478920.37			

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3775290.02        9.31710  (15122518)
        478970.37   3775290.02        9.98273  (13090718)                479020.37
3775290.02       10.55459  (13090718)
        479070.37   3775290.02       10.77874  (13090718)                479120.37
3775290.02       10.63816  (13090718)
        479170.37   3775290.02       10.13637  (13090718)                479220.37
3775290.02       10.08742  (14121123)
        479270.37   3775290.02       10.00260  (14022508)                479320.37
3775290.02       10.09336  (14022508)
        479370.37   3775290.02        9.81998  (14022508)                479420.37
3775290.02        9.92144  (16111019)
        479470.37   3775290.02        9.89870  (16111019)                479520.37
3775290.02        9.56955  (16111019)
        479570.37   3775290.02       11.46120  (15101020)                479620.37
3775290.02       11.05653  (12022721)
        479670.37   3775290.02       13.48967  (13100921)                479720.37
3775290.02       14.73463  (13100921)
        479770.37   3775290.02       15.27142  (16111018)                479820.37
3775290.02       14.98868  (16111018)
        479870.37   3775290.02       15.11593  (13070304)                479920.37
3775290.02       14.90779  (15060920)
        479970.37   3775290.02       15.19331  (16062104)                477970.37
3775340.02        5.77686  (14091624)
        478020.37   3775340.02        5.93909  (14091624)                478070.37
3775340.02        6.02516  (14091624)
        478120.37   3775340.02        6.18668  (16092018)                478170.37
3775340.02        6.46826  (16092018)
        478220.37   3775340.02        6.68390  (16092018)                478270.37
3775340.02        6.84224  (16092018)
        478320.37   3775340.02        6.91280  (14040103)                478370.37
3775340.02        7.05199  (14040103)
        478420.37   3775340.02        7.21764  (13021808)                478470.37
3775340.02        7.49752  (13021808)
        478520.37   3775340.02        7.65383  (13021808)                478570.37
3775340.02        7.82941  (16121606)
        478620.37   3775340.02        7.97237  (16021806)                478670.37
3775340.02        8.18680  (16021806)
        478720.37   3775340.02        8.19763  (16021806)                478770.37
3775340.02        8.23854  (15122518)
        478820.37   3775340.02        8.64091  (15122518)                478870.37
3775340.02        8.80678  (15122518)
        478920.37   3775340.02        8.85354  (13090718)                478970.37
3775340.02        9.56359  (13090718)
        479020.37   3775340.02       10.03256  (13090718)                479070.37
3775340.02       10.18342  (13090718)
        479120.37   3775340.02       10.00744  (13090718)                479170.37
3775340.02        9.55217  (14121123)
        479220.37   3775340.02        9.52079  (14121123)                479270.37
3775340.02        9.43913  (14022508)
        479320.37   3775340.02        9.53651  (14022508)                479370.37
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3775340.02   9.30810 (14022508)
        479420.37   3775340.02   9.34433 (16111019)   479470.37
3775340.02   9.37395 (16111019)
        479520.37   3775340.02   9.12635 (16111019)   479570.37
3775340.02   11.01069 (15101020)
        479620.37   3775340.02   10.60435 (12022721)   479670.37
3775340.02   12.79358 (16092620)
        479720.37   3775340.02   14.08586 (13100921)   479770.37
3775340.02   14.37616 (16062706)
        479820.37   3775340.02   14.37975 (16111018)   479870.37
3775340.02   14.37285 (16111018)
        479920.37   3775340.02   14.15077 (15060920)   479970.37
3775340.02   14.59488 (15060920)
        477970.37   3775390.02   5.60439 (14091624)   478020.37
3775390.02   5.70140 (14091624)
        478070.37   3775390.02   5.81043 (16092018)   478120.37
3775390.02   6.09617 (16092018)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478170.37   3775390.02   6.30284 (16092018)   478220.37
3775390.02   6.43927 (16092018)
        478270.37   3775390.02   6.49460 (16092018)   478320.37
3775390.02   6.65122 (14040103)

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        478370.37   3775390.02        6.70571  (14040103)              478420.37
3775390.02        7.01761  (13021808)
        478470.37   3775390.02        7.19996  (13021808)              478520.37
3775390.02        7.30601  (16121606)
        478570.37   3775390.02        7.47992  (16121606)              478620.37
3775390.02        7.65821  (16021806)
        478670.37   3775390.02        7.77395  (16021806)              478720.37
3775390.02        7.70256  (16021806)
        478770.37   3775390.02        7.95221  (15122518)              478820.37
3775390.02        8.25620  (15122518)
        478870.37   3775390.02        8.33856  (15122518)              478920.37
3775390.02        8.55474  (13090718)
        478970.37   3775390.02        9.16305  (13090718)              479020.37
3775390.02        9.54453  (13090718)
        479070.37   3775390.02        9.63511  (13090718)              479120.37
3775390.02        9.43227  (13090718)
        479170.37   3775390.02        9.04808  (14121123)              479220.37
3775390.02        9.00598  (14121123)
        479270.37   3775390.02        8.92730  (14022508)              479320.37
3775390.02        9.02929  (14022508)
        479370.37   3775390.02        8.83864  (14022508)              479420.37
3775390.02        8.81529  (16111019)
        479470.37   3775390.02        8.88669  (16111019)              479520.37
3775390.02        8.70720  (16111019)
        479570.37   3775390.02        9.66693  (15101020)              479620.37
3775390.02       11.63634  (12022721)
        479670.37   3775390.02       12.67820  (16092620)              479720.37
3775390.02       13.40324  (13100921)
        479770.37   3775390.02       13.56797  (15090206)              479820.37
3775390.02       13.99754  (16111018)
        479870.37   3775390.02       13.96256  (16111018)              479920.37
3775390.02       14.09429  (13070304)
        479970.37   3775390.02       14.00712  (15060920)              477970.37
3775440.02        5.38779  (14091624)
        478020.37   3775440.02        5.48366  (16092018)              478070.37
3775440.02        5.73716  (16092018)
        478120.37   3775440.02        5.93418  (16092018)              478170.37
3775440.02        6.09177  (16092018)
        478220.37   3775440.02        6.15619  (16092018)              478270.37
3775440.02        6.26014  (14040103)
        478320.37   3775440.02        6.35258  (14040103)              478370.37
3775440.02        6.55423  (13021808)
        478420.37   3775440.02        6.75993  (13021808)              478470.37
3775440.02        6.87474  (13021808)
        478520.37   3775440.02        7.02616  (16121606)              478570.37
3775440.02        7.16472  (16021806)
        478620.37   3775440.02        7.32833  (16021806)              478670.37
3775440.02        7.35140  (16021806)
        478720.37   3775440.02        7.30199  (14040102)              478770.37
3775440.02        7.65962  (15122518)
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        478820.37   3775440.02        7.87868  (15122518)               478870.37
3775440.02        7.90624  (15122518)
        478920.37   3775440.02        8.26161  (13090718)               478970.37
3775440.02        8.78126  (13090718)
        479020.37   3775440.02        9.08824  (13090718)               479070.37
3775440.02        9.12922  (13090718)
        479120.37   3775440.02        8.90630  (13090718)               479170.37
3775440.02        8.58702  (14121123)
        479220.37   3775440.02        8.53655  (14121123)               479270.37
3775440.02        8.46067  (14022508)
        479320.37   3775440.02        8.56571  (14022508)               479370.37
3775440.02        8.40692  (14022508)
        479420.37   3775440.02        8.32929  (16111019)               479470.37
3775440.02        8.43391  (16111019)
        479520.37   3775440.02        8.31133  (16111019)               479570.37
3775440.02        9.13165  (15101020)
        479620.37   3775440.02       11.11816  (12022721)               479670.37
3775440.02       12.50325  (16092620)
        479720.37   3775440.02       12.94197  (15013121)               479770.37
3775440.02       13.07433  (15100822)
        479820.37   3775440.02       13.47271  (15090206)               479870.37
3775440.02       13.53375  (16111018)
        479920.37   3775440.02       13.53826  (13070304)               479970.37
3775440.02       13.37038  (16092022)
        477970.37   3775490.02        5.17910  (16092018)               478020.37
3775490.02        5.41030  (16092018)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:57:20

                                    PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478070.37	3775490.02	5.61688	(16092018)	478120.37	3775490.02	5.75237	(16092018)
478170.37	3775490.02	5.83784	(16092018)	478220.37	3775490.02	5.92134	(14040103)
478270.37	3775490.02	6.00891	(14040103)	478320.37	3775490.02	6.13898	(13021808)
478370.37	3775490.02	6.36614	(13021808)	478420.37	3775490.02	6.49353	(13021808)
478470.37	3775490.02	6.61248	(16121606)	478520.37	3775490.02	6.72852	(16121606)
478570.37	3775490.02	6.90326	(16021806)	478620.37	3775490.02	6.98973	(16021806)
478670.37	3775490.02	6.94413	(16021806)	478720.37	3775490.02	7.07730	(15122518)
478770.37	3775490.02	7.36492	(15122518)	478820.37	3775490.02	7.51108	(15122518)
478870.37	3775490.02	7.47992	(15122518)	478920.37	3775490.02	7.97567	(13090718)
478970.37	3775490.02	8.41799	(13090718)	479020.37	3775490.02	8.66150	(13090718)
479070.37	3775490.02	8.66167	(13090718)	479120.37	3775490.02	8.42405	(13090718)
479170.37	3775490.02	8.16401	(14121123)	479220.37	3775490.02	8.10708	(14121123)
479270.37	3775490.02	8.03383	(14022508)	479320.37	3775490.02	8.14068	(14022508)
479370.37	3775490.02	8.00888	(14022508)	479420.37	3775490.02	7.88189	(16111019)
479470.37	3775490.02	8.01278	(16111019)	479520.37	3775490.02	7.93777	(16111019)
479570.37	3775490.02	8.73856	(15101020)	479620.37	3775490.02	10.72668	(15101020)
479670.37	3775490.02	11.98549	(16092620)	479720.37	3775490.02	12.80018	(16092620)
479770.37	3775490.02	12.53833	(15100822)	479820.37	3775490.02	12.91719	(15100822)
479870.37	3775490.02	13.07305	(16111018)	479920.37	3775490.02	13.04217	(16111018)
479970.37	3775490.02	12.91353	(13070304)	477970.37	3775540.02	5.13147	(16092018)
478020.37	3775540.02	5.31018	(16092018)	478070.37	3775540.02	5.44831	(16092018)
478120.37	3775540.02	5.53712	(16092018)	478170.37	3775540.02	5.59189	(14040103)
478220.37	3775540.02	5.70683	(14040103)	478270.37			

3775540.02   5.74944 (13021808)
        478320.37   3775540.02   5.98264 (13021808)   478370.37
3775540.02   6.14833 (13021808)
        478420.37   3775540.02   6.20576 (13021808)   478470.37
3775540.02   6.36600 (16121606)
        478520.37   3775540.02   6.46997 (16021806)   478570.37
3775540.02   6.62804 (16021806)
        478620.37   3775540.02   6.64812 (16021806)   478670.37
3775540.02   6.58526 (14040102)
        478720.37   3775540.02   6.85335 (15122518)   478770.37
3775540.02   7.07142 (15122518)
        478820.37   3775540.02   7.15530 (15122518)   478870.37
3775540.02   7.16442 (15100406)
        478920.37   3775540.02   7.69797 (13090718)   478970.37
3775540.02   8.07282 (13090718)
        479020.37   3775540.02   8.26217 (13090718)   479070.37
3775540.02   8.22882 (13090718)
        479120.37   3775540.02   7.98080 (13090718)   479170.37
3775540.02   7.77482 (14121123)
        479220.37   3775540.02   7.71291 (14121123)   479270.37
3775540.02   7.64214 (14022508)
        479320.37   3775540.02   7.74987 (14022508)   479370.37
3775540.02   7.64101 (14022508)
        479420.37   3775540.02   7.46922 (16111019)   479470.37
3775540.02   7.62072 (16111019)
        479520.37   3775540.02   7.58544 (16111019)   479570.37
3775540.02   8.42782 (16111019)
        479620.37   3775540.02   10.36397 (15101020)   479670.37
3775540.02   11.46251 (16092620)
        479720.37   3775540.02   12.39400 (16092620)   479770.37
3775540.02   12.56220 (15100822)
        479820.37   3775540.02   12.52376 (15100822)   479870.37
3775540.02   12.82893 (15090206)
        479920.37   3775540.02   12.62088 (16111018)   479970.37
3775540.02   12.73943 (13070304)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                L0000014   , L0000015   , L0000016   , L0000017   , L0000018

, L0000019   , L0000020   , L0000021   ,
                L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478861.36   3774619.36   23.41800 (16092018)   478791.49
3774517.73   24.70032 (14091624)
        478789.65   3774444.30   27.68570 (16021808)   478748.80
3774449.81   24.93958 (16021808)
        479103.48   3774681.38   26.62596 (13090718)   479094.51
3774696.20   25.39359 (13090718)
        479077.34   3774696.98   24.31351 (15122518)   479101.53
3774731.70   24.26818 (13090718)
        479782.92   3774151.51   35.27716 (13101617)   479890.06
3774169.23   29.53708 (13101617)
        479890.06   3774137.17   29.66036 (13062919)   479913.68
3774138.01   28.29157 (13062919)
        479911.15   3774168.38   28.27689 (13101617)   479885.84
3774064.62   29.41041 (16012417)
        480148.50   3774029.13   26.05314 (12081021)   480198.50
3774029.13   24.59739 (13082520)
        480248.50   3774029.13   23.72493 (15082922)   480298.50
3774029.13   22.82997 (15082922)
        480348.50   3774029.13   21.81438 (15080521)   480398.50
3774029.13   21.29682 (15080521)
        480448.50   3774029.13   20.17596 (15080521)   480498.50
3774029.13   19.80250 (12090321)
        480098.50   3774079.13   27.02210 (12080721)   480148.50
3774079.13   26.17701 (15081623)
        480198.50   3774079.13   24.74530 (15081623)   480248.50
3774079.13   23.91351 (15081623)
        480298.50   3774079.13   23.01318 (15081623)   480348.50
3774079.13   21.96360 (15081623)
        480398.50   3774079.13   21.42224 (15081623)   480448.50
3774079.13   20.28476 (15081623)
        480498.50   3774079.13   19.81631 (15082622)   479998.50
3774129.13   29.89245 (12101317)
        480048.50   3774129.13   29.40820 (12101317)   480098.50
3774129.13   27.15573 (12101317)
        480148.50   3774129.13   26.23838 (13062721)   480198.50
3774129.13   24.75584 (13062721)

480248.50 3774129.13 23.80839 (13062721) 480298.50
3774129.13 22.82937 (13062721)
480348.50 3774129.13 21.77981 (13062722) 480398.50
3774129.13 20.73301 (13062722)
480448.50 3774129.13 20.22049 (15082823) 480498.50
3774129.13 19.38278 (15082823)
479998.50 3774179.13 29.13861 (14073022) 480048.50
3774179.13 29.11125 (15082520)
480098.50 3774179.13 26.83797 (13090223) 480148.50
3774179.13 26.00294 (13090223)
480198.50 3774179.13 24.47916 (13090223) 480248.50
3774179.13 23.64326 (13081621)
480298.50 3774179.13 22.82030 (12080622) 480348.50
3774179.13 21.82513 (12080622)
480398.50 3774179.13 20.93116 (12080622) 480448.50
3774179.13 20.24271 (12080622)
480498.50 3774179.13 19.37140 (12080622) 479998.50
3774229.13 30.66941 (15101421)
480048.50 3774229.13 28.78070 (15101421) 480098.50
3774229.13 27.84864 (12082821)
480148.50 3774229.13 26.01267 (12082821) 480198.50
3774229.13 24.61862 (12082821)
480248.50 3774229.13 23.74150 (12082821) 480298.50
3774229.13 22.78885 (12082821)
480348.50 3774229.13 21.71720 (12082821) 480398.50
3774229.13 21.05119 (12082821)
480448.50 3774229.13 19.98961 (12071224) 480498.50
3774229.13 19.71120 (12091024)
479998.50 3774279.13 30.67163 (16062906) 480048.50
3774279.13 28.62139 (16062906)
480098.50 3774279.13 27.27657 (12092122) 480148.50
3774279.13 25.45220 (16072724)
480198.50 3774279.13 24.72823 (16072724) 480248.50
3774279.13 23.31505 (16072724)
480298.50 3774279.13 22.38684 (14082821) 480348.50
3774279.13 21.72473 (14082821)
480398.50 3774279.13 21.08530 (14082821) 480448.50
3774279.13 19.97927 (14082821)
480498.50 3774279.13 19.23479 (14082821) 479998.50
3774329.13 30.06833 (14061006)
480048.50 3774329.13 28.14460 (15062706) 480098.50
3774329.13 26.98913 (15062706)
480148.50 3774329.13 25.27122 (16062906) 480198.50
3774329.13 24.54203 (12071820)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480248.50	3774329.13	22.98093	(12071820)	480298.50	3774329.13	22.11578	(14082722)
480348.50	3774329.13	21.20349	(12092122)	480398.50	3774329.13	20.42826	(12092122)
480448.50	3774329.13	19.71462	(16091822)	480498.50	3774329.13	18.91316	(16091822)
479998.50	3774379.13	29.22240	(15090822)	480048.50	3774379.13	27.76395	(15090822)
480098.50	3774379.13	26.68997	(15090822)	480148.50	3774379.13	24.75398	(15090822)
480198.50	3774379.13	23.97502	(16081622)	480248.50	3774379.13	22.59695	(16081622)
480298.50	3774379.13	21.90954	(15092522)	480348.50	3774379.13	20.99350	(15092522)
480398.50	3774379.13	19.79336	(15092522)	480448.50	3774379.13	19.57202	(14082722)
480498.50	3774379.13	18.85638	(14082722)	479998.50	3774429.13	28.34820	(12091522)
480048.50	3774429.13	27.40384	(16072622)	480098.50	3774429.13	25.72672	(16072822)
480148.50	3774429.13	24.63669	(16072822)	480198.50	3774429.13	23.77345	(15090822)
480248.50	3774429.13	22.40533	(15090822)	480298.50	3774429.13	21.45852	(15090822)
480348.50	3774429.13	20.43165	(16081622)	480398.50	3774429.13	19.99244	(16081622)
480448.50	3774429.13	19.18045	(16081622)	480498.50			

3774429.13 18.47001 (15092522)
480098.50 3774479.13 27.62519 (12080223) 480048.50
3774479.13 26.84699 (12091522)
480098.50 3774479.13 25.17602 (12091522) 480148.50
3774479.13 24.23634 (16072622)
480198.50 3774479.13 23.11961 (16072622) 480248.50
3774479.13 21.82178 (16072822)
480298.50 3774479.13 21.38721 (16072822) 480348.50
3774479.13 20.26997 (15090822)
480398.50 3774479.13 19.89604 (13070921) 480448.50
3774479.13 18.85211 (13070921)
480498.50 3774479.13 18.21271 (14060124) 479998.50
3774529.13 27.16450 (12092123)
480048.50 3774529.13 26.03363 (15101218) 480098.50
3774529.13 24.23543 (15101218)
480148.50 3774529.13 23.85878 (12091522) 480198.50
3774529.13 22.60595 (12091522)
480248.50 3774529.13 21.37985 (16072622) 480298.50
3774529.13 21.03815 (12081122)
480348.50 3774529.13 19.83913 (16072822) 480398.50
3774529.13 19.52982 (16072822)
480448.50 3774529.13 18.54632 (16072822) 480498.50
3774529.13 18.38137 (13070921)
479998.50 3774579.13 26.63094 (16072221) 480048.50
3774579.13 25.23091 (16072221)
480098.50 3774579.13 24.62042 (13090224) 480148.50
3774579.13 23.34193 (15101218)
480198.50 3774579.13 21.76545 (15101218) 480248.50
3774579.13 21.50962 (13090822)
480298.50 3774579.13 20.46394 (12091522) 480348.50
3774579.13 20.06270 (12081122)
480398.50 3774579.13 19.35382 (12081122) 480448.50
3774579.13 18.72349 (12081122)
480498.50 3774579.13 18.00400 (12081122) 479998.50
3774629.13 25.26378 (15072106)
480048.50 3774629.13 24.27593 (12071222) 480098.50
3774629.13 24.00456 (16072221)
480148.50 3774629.13 22.64975 (16072221) 480198.50
3774629.13 21.93038 (13090224)
480248.50 3774629.13 21.11739 (15101218) 480298.50
3774629.13 20.57920 (14090823)
480348.50 3774629.13 19.76698 (13090822) 480398.50
3774629.13 18.78789 (13090822)
480448.50 3774629.13 18.63965 (15100820) 480498.50
3774629.13 18.24308 (12081122)
479998.50 3774679.13 24.30764 (14092320) 480048.50
3774679.13 23.29206 (15072106)
480098.50 3774679.13 23.02955 (12071222) 480148.50
3774679.13 21.93187 (12071222)
480198.50 3774679.13 21.73757 (16072221) 480248.50

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        480398.50   3774679.13   19.07769 (14090823)   480448.50
3774679.13   18.28779 (13090822)
        480498.50   3774679.13   18.03625 (13090822)   479998.50
3774729.13   23.17140 (16072303)
        480048.50   3774729.13   22.87960 (14040821)   480098.50
3774729.13   21.76080 (15072106)
        480148.50   3774729.13   21.48776 (12071222)   480198.50
3774729.13   21.04186 (12071222)
        480248.50   3774729.13   20.64950 (16072221)   480298.50
3774729.13   19.78615 (16072221)
        480348.50   3774729.13   19.08251 (13090224)   480398.50
3774729.13   18.65886 (12081522)
        480448.50   3774729.13   18.28646 (14090823)   480498.50
3774729.13   17.73844 (14073102)
        479998.50   3774779.13   22.57600 (12071219)   480048.50
3774779.13   22.20402 (16072303)
        480098.50   3774779.13   21.10830 (14040821)   480148.50
3774779.13   20.48797 (14040821)

480198.50 3774779.13 20.16669 (14042023) 480248.50 3774779.13 20.10560 (12071222)
480298.50 3774779.13 19.27448 (12071222) 480348.50 3774779.13 18.97769 (16072221)
480398.50 3774779.13 18.20640 (12091420) 480448.50 3774779.13 17.90495 (13090224)
480498.50 3774779.13 17.30528 (12081522) 479998.50 3774829.13 21.44412 (15090821)
480048.50 3774829.13 21.46594 (15081622) 480098.50 3774829.13 20.43023 (16072303)
480148.50 3774829.13 19.91810 (14040821) 480198.50 3774829.13 19.53043 (14040821)
480248.50 3774829.13 19.24542 (12071323) 480298.50 3774829.13 18.50920 (12071222)
480348.50 3774829.13 18.57102 (12071222) 480398.50 3774829.13 17.70965 (12071222)
480448.50 3774829.13 17.50206 (16072221) 480498.50 3774829.13 17.09651 (15100821)
479998.50 3774879.13 21.08124 (15090821) 480048.50 3774879.13 20.42662 (15090821)
480098.50 3774879.13 19.73103 (15081622) 480148.50 3774879.13 19.34857 (16072303)
480198.50 3774879.13 18.68696 (14040821) 480248.50 3774879.13 18.61758 (14040821)
480298.50 3774879.13 17.89006 (12071323) 480348.50 3774879.13 17.78972 (12071323)
480398.50 3774879.13 17.66991 (12071222) 480448.50 3774879.13 17.21281 (12081324)
480498.50 3774879.13 16.51238 (16072221) 479998.50 3774929.13 20.28378 (12081701)
480048.50 3774929.13 19.67192 (15090821) 480098.50 3774929.13 18.83883 (15090821)
480148.50 3774929.13 19.09943 (15081622) 480198.50 3774929.13 18.19864 (16072303)
480248.50 3774929.13 18.02389 (13082824) 480298.50 3774929.13 17.37597 (14040821)
480348.50 3774929.13 17.35469 (12071323) 480398.50 3774929.13 17.33803 (12071323)
480448.50 3774929.13 16.68035 (14081423) 480498.50 3774929.13 16.73578 (12081324)
479998.50 3774979.13 19.28249 (12081701) 480048.50 3774979.13 18.99243 (12081701)
480098.50 3774979.13 18.17959 (15090821) 480148.50 3774979.13 18.15234 (16091921)
480198.50 3774979.13 17.70989 (15081622) 480248.50 3774979.13 17.64814 (15081622)
480298.50 3774979.13 16.86819 (13082824) 480348.50 3774979.13 16.77615 (14040821)
480398.50 3774979.13 16.74898 (12071323) 480448.50 3774979.13 16.32916 (12071323)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479998.50	3775079.13	17.63334	(16102719)	480048.50	3775079.13	17.35449	(16072601)
480098.50	3775079.13	16.89272	(12081701)	480148.50	3775079.13	16.96776	(12081701)
480198.50	3775079.13	16.35131	(16091921)	480248.50	3775079.13	15.75212	(16091921)
480298.50	3775079.13	16.03994	(15081622)	480348.50	3775079.13	16.10674	(15081622)
480398.50	3775079.13	16.02358	(13082824)	480448.50	3775079.13	15.88964	(12071323)
480498.50	3774979.13	16.15698	(15060923)	479998.50	3775029.13	18.37840	(16072601)
480048.50	3775029.13	18.16563	(12081701)	480098.50	3775029.13	17.56629	(12081701)
480148.50	3775029.13	17.55559	(16091921)	480198.50	3775029.13	16.87985	(16091921)
480248.50	3775029.13	17.14318	(15081622)	480298.50	3775029.13	16.54364	(15081622)
480348.50	3775029.13	16.46917	(13082824)	480398.50	3775029.13	16.25570	(13082824)
480448.50	3775029.13	15.63982	(14040821)	480498.50	3775029.13	15.88964	(12071323)

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3775079.13       15.72469  (13082824)
        480498.50   3775079.13       15.34973  (15071802)                479998.50
3775129.13       16.91169  (16072103)
        480048.50   3775129.13       16.68298  (16102719)                480098.50
3775129.13       16.15914  (16072601)
        480148.50   3775129.13       16.39856  (12081701)                480198.50
3775129.13       15.83080  (12081701)
        480248.50   3775129.13       15.35391  (16091921)                480298.50
3775129.13       15.42235  (16091921)
        480348.50   3775129.13       15.74905  (15081622)                480398.50
3775129.13       15.67101  (15081622)
        480448.50   3775129.13       15.44954  (13082824)                480498.50
3775129.13       15.24677  (13082824)
        479998.50   3775179.13       16.38739  (16072103)                480048.50
3775179.13       15.93654  (16072103)
        480098.50   3775179.13       16.03898  (16102719)                480148.50
3775179.13       15.70763  (16072601)
        480198.50   3775179.13       15.51160  (12081701)                480248.50
3775179.13       15.30573  (12081701)
        480298.50   3775179.13       15.45110  (16091921)                480348.50
3775179.13       15.53378  (16091921)
        480398.50   3775179.13       15.14653  (15081622)                480448.50
3775179.13       15.44410  (15081622)
        480498.50   3775179.13       15.18923  (13082824)                479998.50
3775229.13       15.44114  (15080323)
        480048.50   3775229.13       15.35503  (16072103)                480098.50
3775229.13       15.54033  (16102719)
        480148.50   3775229.13       15.12860  (16102719)                480198.50
3775229.13       14.79173  (16072601)
        480248.50   3775229.13       14.90917  (12081701)                480298.50
3775229.13       14.93173  (13082422)
        480348.50   3775229.13       15.20610  (16091921)                480398.50
3775229.13       15.18701  (16091921)
        480448.50   3775229.13       14.96434  (15081622)                480498.50
3775229.13       14.85859  (15081622)
        479998.50   3775279.13       15.07606  (15080323)                480048.50
3775279.13       14.54502  (16072103)
        480098.50   3775279.13       14.96028  (16072103)                480148.50
3775279.13       14.63642  (16102719)
        480198.50   3775279.13       14.30288  (16102719)                480248.50
3775279.13       14.29581  (15102518)
        480298.50   3775279.13       14.40319  (13020223)                480348.50
3775279.13       14.72616  (13082422)
        480398.50   3775279.13       14.82229  (16091921)                480448.50
3775279.13       14.80056  (16091921)
        480498.50   3775279.13       14.45033  (13082301)                479998.50
3775329.13       14.50861  (15080323)
        480048.50   3775329.13       14.02538  (15080323)                480098.50
3775329.13       14.29590  (16072103)
        480148.50   3775329.13       14.05792  (16072103)                480198.50
```

3775329.13   14.22053 (16102719)
        480248.50   3775329.13   13.81795 (16072601)   480298.50
3775329.13   14.43747 (15102518)
        480348.50   3775329.13   14.37520 (15092423)   480398.50
3775329.13   14.54536 (13082422)
        480448.50   3775329.13   14.43984 (16091921)   480498.50
3775329.13   14.47033 (13082301)
        479998.50   3775379.13   13.95729 (16062104)   480048.50
3775379.13   13.81119 (15080323)
        480098.50   3775379.13   13.62274 (13100906)   480148.50
3775379.13   13.54622 (16072103)
        480198.50   3775379.13   13.74795 (16102719)   480248.50
3775379.13   13.93818 (16102719)
        480298.50   3775379.13   14.27971 (15082521)   480348.50
3775379.13   14.40606 (15102518)
        480398.50   3775379.13   14.37901 (15092423)   480448.50
3775379.13   14.16957 (13082422)
        480498.50   3775379.13   14.26280 (16091921)   479998.50
3775429.13   13.46838 (15060920)
        480048.50   3775429.13   13.69522 (16062104)   480098.50
3775429.13   13.33877 (15080323)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -

```
        480148.50   3775429.13       13.22939  (13090824)                480198.50
3775429.13       13.43626  (16072103)
        480248.50   3775429.13       13.95631  (15082701)                480298.50
3775429.13       14.09665  (15082521)
        480348.50   3775429.13       14.36812  (14110620)                480398.50
3775429.13       14.42641  (15102518)
        480448.50   3775429.13       14.06096  (15092423)                480498.50
3775429.13       13.97378  (12090701)
        479998.50   3775479.13       13.24023  (16092022)                480048.50
3775479.13       13.17489  (15060920)
        480098.50   3775479.13       12.92490  (15080323)                480148.50
3775479.13       13.04295  (14092506)
        480198.50   3775479.13       13.48721  (13090824)                480248.50
3775479.13       13.88014  (14073003)
        480298.50   3775479.13       14.22523  (15082701)                480348.50
3775479.13       14.35422  (15082521)
        480398.50   3775479.13       14.31370  (16081404)                480448.50
3775479.13       14.03452  (15102518)
        480498.50   3775479.13       14.02565  (15092423)

 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                              ***        01/06/23
 *** AERMET - VERSION  16216 ***   ***
                             ***       15:57:20

                                      PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** THE SUMMARY OF MAXIMUM PERIOD ( 43848
HRS) RESULTS ***


                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
              **


                        NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS      21.68243 AT (  479270.37,  3774290.02,   350.00,
  350.00,    0.00)  DC
          2ND HIGHEST VALUE IS      21.31146 AT (  479220.37,  3774290.02,   349.00,
  349.00,    0.00)  DC
          3RD HIGHEST VALUE IS      19.97258 AT (  479320.37,  3774290.02,   350.00,
  350.00,    0.00)  DC
          4TH HIGHEST VALUE IS      18.95425 AT (  479170.37,  3774290.02,   349.00,
  349.00,    0.00)  DC
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         5TH HIGHEST VALUE IS      16.95019 AT (  479370.37,  3774290.02,   350.68,
  350.68,    0.00)  DC
         6TH HIGHEST VALUE IS      13.94712 AT (  479270.37,  3774340.02,   350.00,
  350.00,    0.00)  DC
         7TH HIGHEST VALUE IS      13.94372 AT (  479420.37,  3774290.02,   351.00,
  351.00,    0.00)  DC
         8TH HIGHEST VALUE IS      13.81934 AT (  479220.37,  3774340.02,   349.54,
  349.54,    0.00)  DC
         9TH HIGHEST VALUE IS      13.16573 AT (  479320.37,  3774340.02,   350.00,
  350.00,    0.00)  DC
        10TH HIGHEST VALUE IS      12.79784 AT (  479170.37,  3774340.02,   349.00,
  349.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                         ***       01/06/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       15:57:20

                                 PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
             **

                                                      DATE
                                          NETWORK
GROUP ID                             AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     143.29386  ON 13112916: AT (  479370.37,
3774290.02,   350.68,   350.68,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                         ***       01/06/23
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   1638 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   1039 Calm Hours Identified

A Total of   599 Missing Hours Identified (1.37 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   528   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187   528   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ****
   *** AERMOD Finishes Successfully ***
   ****

HARP2 - HRACalc (dated 22118) 1/9/2023 10:07:39 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 0.83

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 0.83
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5THVICTORIACONST\hra\5thVicCancerConstCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5THVICTORIACONST\hra\5thVicCancerConstCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 1/9/2023 10:07:39 AM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5THVICTORIACONST\hra\5thVicCancerConstHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		478170.4	3774040	3.90E-07	0.83YrCanc	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		478220.4	3774040	4.23E-07	0.83YrCanc	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		478270.4	3774040	4.62E-07	0.83YrCanc	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		478320.4	3774040	5.06E-07	0.83YrCanc	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		478170.4	3774090	3.81E-07	0.83YrCanc	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		478220.4	3774090	4.12E-07	0.83YrCanc	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		478270.4	3774090	4.50E-07	0.83YrCanc	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		478320.4	3774090	4.91E-07	0.83YrCanc	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		478170.4	3774140	3.70E-07	0.83YrCanc	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		478220.4	3774140	4.01E-07	0.83YrCanc	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		478270.4	3774140	4.37E-07	0.83YrCanc	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		478320.4	3774140	4.76E-07	0.83YrCanc	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		478170.4	3774190	3.60E-07	0.83YrCanc	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		478220.4	3774190	3.89E-07	0.83YrCanc	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		478270.4	3774190	4.23E-07	0.83YrCanc	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		478320.4	3774190	4.61E-07	0.83YrCanc	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		478170.4	3774240	3.49E-07	0.83YrCanc	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		478220.4	3774240	3.77E-07	0.83YrCanc	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		478270.4	3774240	4.09E-07	0.83YrCanc	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		478320.4	3774240	4.45E-07	0.83YrCanc	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		478370.4	3774240	4.86E-07	0.83YrCanc	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		478420.4	3774240	5.35E-07	0.83YrCanc	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		478470.4	3774240	5.90E-07	0.83YrCanc	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		478520.4	3774240	6.58E-07	0.83YrCanc	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		478570.4	3774240	7.36E-07	0.83YrCanc	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		479570.4	3774240	3.27E-06	0.83YrCanc	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		479620.4	3774240	2.74E-06	0.83YrCanc	2.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		479670.4	3774240	2.32E-06	0.83YrCanc	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		479720.4	3774240	2.00E-06	0.83YrCanc	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		479770.4	3774240	1.80E-06	0.83YrCanc	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		479820.4	3774240	1.60E-06	0.83YrCanc	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		479870.4	3774240	1.44E-06	0.83YrCanc	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		479920.4	3774240	1.30E-06	0.83YrCanc	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		479970.4	3774240	1.27E-06	0.83YrCanc	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		478170.4	3774290	3.39E-07	0.83YrCanc	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		478220.4	3774290	3.65E-07	0.83YrCanc	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		478270.4	3774290	3.95E-07	0.83YrCanc	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		478320.4	3774290	4.29E-07	0.83YrCanc	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		478370.4	3774290	4.68E-07	0.83YrCanc	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		478420.4	3774290	5.13E-07	0.83YrCanc	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		478470.4	3774290	5.65E-07	0.83YrCanc	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		478520.4	3774290	6.27E-07	0.83YrCanc	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

43	ALL	478570.4	3774290	6.98E-07	0.83YrCanc	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL	479170.4	3774290	5.89E-06	0.83YrCanc	5.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL	479220.4	3774290	6.62E-06	0.83YrCanc	6.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	479270.4	3774290	6.73E-06	0.83YrCanc	6.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	479320.4	3774290	6.20E-06	0.83YrCanc	6.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	479370.4	3774290	5.26E-06	0.83YrCanc	5.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	479420.4	3774290	4.33E-06	0.83YrCanc	4.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	479470.4	3774290	3.58E-06	0.83YrCanc	3.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	479520.4	3774290	3.00E-06	0.83YrCanc	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	479570.4	3774290	2.55E-06	0.83YrCanc	2.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	479620.4	3774290	2.19E-06	0.83YrCanc	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	479670.4	3774290	1.91E-06	0.83YrCanc	1.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	479720.4	3774290	1.67E-06	0.83YrCanc	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	479770.4	3774290	1.49E-06	0.83YrCanc	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	479820.4	3774290	1.34E-06	0.83YrCanc	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	479870.4	3774290	1.22E-06	0.83YrCanc	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	479920.4	3774290	1.14E-06	0.83YrCanc	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	479970.4	3774290	1.09E-06	0.83YrCanc	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	478170.4	3774340	3.28E-07	0.83YrCanc	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	478220.4	3774340	3.53E-07	0.83YrCanc	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	478270.4	3774340	3.82E-07	0.83YrCanc	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	478320.4	3774340	4.13E-07	0.83YrCanc	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	478370.4	3774340	4.50E-07	0.83YrCanc	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	478420.4	3774340	4.92E-07	0.83YrCanc	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	478470.4	3774340	5.40E-07	0.83YrCanc	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	478520.4	3774340	5.97E-07	0.83YrCanc	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	478570.4	3774340	6.62E-07	0.83YrCanc	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	479170.4	3774340	3.97E-06	0.83YrCanc	3.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	479220.4	3774340	4.29E-06	0.83YrCanc	4.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	479270.4	3774340	4.33E-06	0.83YrCanc	4.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	479320.4	3774340	4.09E-06	0.83YrCanc	4.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	479370.4	3774340	3.65E-06	0.83YrCanc	3.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	479420.4	3774340	3.15E-06	0.83YrCanc	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	479470.4	3774340	2.71E-06	0.83YrCanc	2.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	479520.4	3774340	2.33E-06	0.83YrCanc	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	479570.4	3774340	2.02E-06	0.83YrCanc	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	479620.4	3774340	1.77E-06	0.83YrCanc	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	479670.4	3774340	1.57E-06	0.83YrCanc	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	479720.4	3774340	1.36E-06	0.83YrCanc	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	479770.4	3774340	1.23E-06	0.83YrCanc	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	479820.4	3774340	1.12E-06	0.83YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	479870.4	3774340	1.02E-06	0.83YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	479920.4	3774340	9.44E-07	0.83YrCanc	9.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	479970.4	3774340	8.86E-07	0.83YrCanc	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

87	ALL	478170.4	3774390	3.18E-07	0.83YrCanc	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	478220.4	3774390	3.42E-07	0.83YrCanc	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	478270.4	3774390	3.68E-07	0.83YrCanc	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	478320.4	3774390	3.98E-07	0.83YrCanc	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	478370.4	3774390	4.33E-07	0.83YrCanc	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	478420.4	3774390	4.71E-07	0.83YrCanc	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	478470.4	3774390	5.16E-07	0.83YrCanc	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	478520.4	3774390	5.67E-07	0.83YrCanc	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	478570.4	3774390	6.26E-07	0.83YrCanc	6.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	479170.4	3774390	2.89E-06	0.83YrCanc	2.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	479220.4	3774390	3.04E-06	0.83YrCanc	3.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	479270.4	3774390	3.06E-06	0.83YrCanc	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	479320.4	3774390	2.94E-06	0.83YrCanc	2.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	479370.4	3774390	2.70E-06	0.83YrCanc	2.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	479420.4	3774390	2.42E-06	0.83YrCanc	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	479470.4	3774390	2.13E-06	0.83YrCanc	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	479520.4	3774390	1.88E-06	0.83YrCanc	1.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	479570.4	3774390	1.66E-06	0.83YrCanc	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	479620.4	3774390	1.47E-06	0.83YrCanc	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	479670.4	3774390	1.26E-06	0.83YrCanc	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	479720.4	3774390	1.12E-06	0.83YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	479770.4	3774390	1.02E-06	0.83YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	479820.4	3774390	9.10E-07	0.83YrCanc	9.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	479870.4	3774390	8.26E-07	0.83YrCanc	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	479920.4	3774390	7.73E-07	0.83YrCanc	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	479970.4	3774390	7.20E-07	0.83YrCanc	7.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	478170.4	3774440	3.08E-07	0.83YrCanc	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	478220.4	3774440	3.30E-07	0.83YrCanc	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	478270.4	3774440	3.55E-07	0.83YrCanc	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	478320.4	3774440	3.83E-07	0.83YrCanc	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	478370.4	3774440	4.15E-07	0.83YrCanc	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	478420.4	3774440	4.50E-07	0.83YrCanc	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	478470.4	3774440	4.91E-07	0.83YrCanc	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	478520.4	3774440	5.38E-07	0.83YrCanc	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	478570.4	3774440	5.91E-07	0.83YrCanc	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	478620.4	3774440	6.54E-07	0.83YrCanc	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	478670.4	3774440	7.25E-07	0.83YrCanc	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	478720.4	3774440	8.08E-07	0.83YrCanc	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	478770.4	3774440	9.05E-07	0.83YrCanc	9.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	478820.4	3774440	1.02E-06	0.83YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	479320.4	3774440	2.23E-06	0.83YrCanc	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	479370.4	3774440	2.09E-06	0.83YrCanc	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	479420.4	3774440	1.92E-06	0.83YrCanc	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	479470.4	3774440	1.73E-06	0.83YrCanc	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

131	ALL	479520.4	3774440	1.56E-06	0.83YrCanc	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	479570.4	3774440	1.40E-06	0.83YrCanc	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	479620.4	3774440	1.25E-06	0.83YrCanc	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	479670.4	3774440	1.07E-06	0.83YrCanc	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	479720.4	3774440	9.56E-07	0.83YrCanc	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	479770.4	3774440	8.78E-07	0.83YrCanc	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	479820.4	3774440	7.52E-07	0.83YrCanc	7.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	479870.4	3774440	6.93E-07	0.83YrCanc	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	479920.4	3774440	6.32E-07	0.83YrCanc	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	479970.4	3774440	6.00E-07	0.83YrCanc	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	478170.4	3774490	2.98E-07	0.83YrCanc	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	478220.4	3774490	3.19E-07	0.83YrCanc	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	478270.4	3774490	3.42E-07	0.83YrCanc	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	478320.4	3774490	3.68E-07	0.83YrCanc	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	478370.4	3774490	3.98E-07	0.83YrCanc	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	478420.4	3774490	4.30E-07	0.83YrCanc	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	478470.4	3774490	4.68E-07	0.83YrCanc	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	478520.4	3774490	5.10E-07	0.83YrCanc	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	478570.4	3774490	5.57E-07	0.83YrCanc	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	478620.4	3774490	6.13E-07	0.83YrCanc	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	478670.4	3774490	6.75E-07	0.83YrCanc	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	478720.4	3774490	7.46E-07	0.83YrCanc	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	478749.3	3774488	7.94E-07	0.83YrCanc	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	478820.4	3774490	9.21E-07	0.83YrCanc	9.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	479370.4	3774490	1.67E-06	0.83YrCanc	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	479420.4	3774490	1.56E-06	0.83YrCanc	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	479470.4	3774490	1.44E-06	0.83YrCanc	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	479520.4	3774490	1.32E-06	0.83YrCanc	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	479570.4	3774490	1.19E-06	0.83YrCanc	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	479620.4	3774490	1.05E-06	0.83YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	479670.4	3774490	9.17E-07	0.83YrCanc	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	479720.4	3774490	8.34E-07	0.83YrCanc	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	479770.4	3774490	7.29E-07	0.83YrCanc	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	479820.4	3774490	6.39E-07	0.83YrCanc	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	479870.4	3774490	5.83E-07	0.83YrCanc	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	479920.4	3774490	5.41E-07	0.83YrCanc	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	479970.4	3774490	5.13E-07	0.83YrCanc	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	478170.4	3774540	2.88E-07	0.83YrCanc	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	478220.4	3774540	3.08E-07	0.83YrCanc	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	478270.4	3774540	3.30E-07	0.83YrCanc	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	478320.4	3774540	3.53E-07	0.83YrCanc	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	478370.4	3774540	3.81E-07	0.83YrCanc	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	478420.4	3774540	4.10E-07	0.83YrCanc	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	478470.4	3774540	4.44E-07	0.83YrCanc	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

175	ALL	478520.4	3774540	4.82E-07	0.83YrCanc	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	478570.4	3774540	5.24E-07	0.83YrCanc	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	478620.4	3774540	5.73E-07	0.83YrCanc	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	478670.4	3774540	6.27E-07	0.83YrCanc	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	478720.4	3774540	6.87E-07	0.83YrCanc	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	478764.9	3774551	7.33E-07	0.83YrCanc	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	478807.5	3774552	7.91E-07	0.83YrCanc	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	479370.4	3774540	1.37E-06	0.83YrCanc	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	479420.4	3774540	1.30E-06	0.83YrCanc	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	479470.4	3774540	1.21E-06	0.83YrCanc	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	479520.4	3774540	1.13E-06	0.83YrCanc	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	479570.4	3774540	1.04E-06	0.83YrCanc	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	479620.4	3774540	9.19E-07	0.83YrCanc	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	479670.4	3774540	8.00E-07	0.83YrCanc	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	479720.4	3774540	7.38E-07	0.83YrCanc	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	479770.4	3774540	6.28E-07	0.83YrCanc	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	479820.4	3774540	5.65E-07	0.83YrCanc	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	479870.4	3774540	5.14E-07	0.83YrCanc	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	479920.4	3774540	4.76E-07	0.83YrCanc	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	479970.4	3774540	4.51E-07	0.83YrCanc	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	478170.4	3774590	2.79E-07	0.83YrCanc	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	478220.4	3774590	2.97E-07	0.83YrCanc	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	478270.4	3774590	3.17E-07	0.83YrCanc	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	478320.4	3774590	3.39E-07	0.83YrCanc	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	478370.4	3774590	3.64E-07	0.83YrCanc	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	478420.4	3774590	3.91E-07	0.83YrCanc	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	478470.4	3774590	4.22E-07	0.83YrCanc	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	478520.4	3774590	4.56E-07	0.83YrCanc	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	478570.4	3774590	4.94E-07	0.83YrCanc	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	478620.4	3774590	5.36E-07	0.83YrCanc	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	478670.4	3774590	5.81E-07	0.83YrCanc	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	478720.4	3774590	6.32E-07	0.83YrCanc	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	478776.3	3774603	6.80E-07	0.83YrCanc	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	478804.3	3774604	7.10E-07	0.83YrCanc	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	479370.4	3774590	1.15E-06	0.83YrCanc	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	479420.4	3774590	1.10E-06	0.83YrCanc	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	479470.4	3774590	1.04E-06	0.83YrCanc	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	479520.4	3774590	9.74E-07	0.83YrCanc	9.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	479570.4	3774590	9.06E-07	0.83YrCanc	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	479620.4	3774590	8.11E-07	0.83YrCanc	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	479670.4	3774590	7.11E-07	0.83YrCanc	7.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	479720.4	3774590	6.22E-07	0.83YrCanc	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	479770.4	3774590	5.42E-07	0.83YrCanc	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	479820.4	3774590	5.07E-07	0.83YrCanc	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

219	ALL	479870.4	3774590	4.60E-07	0.83YrCanc	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	479920.4	3774590	4.27E-07	0.83YrCanc	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	479970.4	3774590	3.98E-07	0.83YrCanc	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	478170.4	3774640	2.69E-07	0.83YrCanc	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	478220.4	3774640	2.86E-07	0.83YrCanc	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	478270.4	3774640	3.05E-07	0.83YrCanc	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	478320.4	3774640	3.25E-07	0.83YrCanc	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	478370.4	3774640	3.48E-07	0.83YrCanc	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	478420.4	3774640	3.72E-07	0.83YrCanc	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	478470.4	3774640	4.00E-07	0.83YrCanc	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	478520.4	3774640	4.30E-07	0.83YrCanc	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	478570.4	3774640	4.64E-07	0.83YrCanc	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	478620.4	3774640	5.00E-07	0.83YrCanc	5.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	478670.4	3774640	5.40E-07	0.83YrCanc	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	478720.4	3774640	5.83E-07	0.83YrCanc	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	478770.4	3774640	6.29E-07	0.83YrCanc	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	478820.4	3774640	6.79E-07	0.83YrCanc	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	478870.4	3774640	7.31E-07	0.83YrCanc	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	479370.4	3774640	9.80E-07	0.83YrCanc	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	479420.4	3774640	9.43E-07	0.83YrCanc	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	479470.4	3774640	8.99E-07	0.83YrCanc	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	479520.4	3774640	8.50E-07	0.83YrCanc	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	479570.4	3774640	7.99E-07	0.83YrCanc	7.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	479620.4	3774640	6.95E-07	0.83YrCanc	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	479670.4	3774640	6.36E-07	0.83YrCanc	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	479720.4	3774640	5.50E-07	0.83YrCanc	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	479770.4	3774640	4.89E-07	0.83YrCanc	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	479820.4	3774640	4.60E-07	0.83YrCanc	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	479870.4	3774640	4.11E-07	0.83YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	479920.4	3774640	3.89E-07	0.83YrCanc	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	479970.4	3774640	3.62E-07	0.83YrCanc	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	478170.4	3774690	2.60E-07	0.83YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	478220.4	3774690	2.76E-07	0.83YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	478270.4	3774690	2.93E-07	0.83YrCanc	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	478320.4	3774690	3.12E-07	0.83YrCanc	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	478370.4	3774690	3.32E-07	0.83YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	478420.4	3774690	3.54E-07	0.83YrCanc	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	478470.4	3774690	3.79E-07	0.83YrCanc	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	478520.4	3774690	4.06E-07	0.83YrCanc	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	478570.4	3774690	4.35E-07	0.83YrCanc	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	478620.4	3774690	4.66E-07	0.83YrCanc	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	478670.4	3774690	5.01E-07	0.83YrCanc	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	478720.4	3774690	5.37E-07	0.83YrCanc	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	478770.4	3774690	5.75E-07	0.83YrCanc	5.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

263	ALL	478820.4	3774690	6.16E-07	0.83YrCanc	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	478868.7	3774701	6.42E-07	0.83YrCanc	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	478861.3	3774671	6.76E-07	0.83YrCanc	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	479026.6	3774722	7.23E-07	0.83YrCanc	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	479059.1	3774697	7.93E-07	0.83YrCanc	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	479113.7	3774695	8.27E-07	0.83YrCanc	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	479370.4	3774690	8.45E-07	0.83YrCanc	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	479420.4	3774690	8.18E-07	0.83YrCanc	8.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	479470.4	3774690	7.86E-07	0.83YrCanc	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	479520.4	3774690	7.48E-07	0.83YrCanc	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	479570.4	3774690	6.78E-07	0.83YrCanc	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	479620.4	3774690	6.07E-07	0.83YrCanc	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	479670.4	3774690	5.72E-07	0.83YrCanc	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	479720.4	3774690	4.84E-07	0.83YrCanc	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	479770.4	3774690	4.44E-07	0.83YrCanc	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	479820.4	3774690	4.01E-07	0.83YrCanc	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	479870.4	3774690	3.76E-07	0.83YrCanc	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	479920.4	3774690	3.56E-07	0.83YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	479970.4	3774690	3.31E-07	0.83YrCanc	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	478170.4	3774740	2.51E-07	0.83YrCanc	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	478220.4	3774740	2.65E-07	0.83YrCanc	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	478270.4	3774740	2.81E-07	0.83YrCanc	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	478320.4	3774740	2.98E-07	0.83YrCanc	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	478370.4	3774740	3.17E-07	0.83YrCanc	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	478420.4	3774740	3.37E-07	0.83YrCanc	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	478470.4	3774740	3.59E-07	0.83YrCanc	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	478520.4	3774740	3.82E-07	0.83YrCanc	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	478570.4	3774740	4.08E-07	0.83YrCanc	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	478620.4	3774740	4.35E-07	0.83YrCanc	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	478670.4	3774740	4.65E-07	0.83YrCanc	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	478720.4	3774740	4.95E-07	0.83YrCanc	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	478770.4	3774740	5.27E-07	0.83YrCanc	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	478820.4	3774740	5.60E-07	0.83YrCanc	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	478863	3774730	6.01E-07	0.83YrCanc	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	479020.4	3774740	6.89E-07	0.83YrCanc	6.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	479070.4	3774740	7.15E-07	0.83YrCanc	7.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	479120.4	3774740	7.36E-07	0.83YrCanc	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	479370.4	3774740	7.38E-07	0.83YrCanc	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	479420.4	3774740	7.18E-07	0.83YrCanc	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	479470.4	3774740	6.93E-07	0.83YrCanc	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	479520.4	3774740	6.64E-07	0.83YrCanc	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	479570.4	3774740	5.97E-07	0.83YrCanc	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	479620.4	3774740	5.45E-07	0.83YrCanc	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	479670.4	3774740	5.17E-07	0.83YrCanc	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

307	ALL	479720.4	3774740	4.27E-07	0.83YrCanc	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	479770.4	3774740	3.95E-07	0.83YrCanc	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	479820.4	3774740	3.64E-07	0.83YrCanc	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	479870.4	3774740	3.46E-07	0.83YrCanc	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	479920.4	3774740	3.28E-07	0.83YrCanc	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	479970.4	3774740	3.04E-07	0.83YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	478170.4	3774790	2.41E-07	0.83YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	478220.4	3774790	2.55E-07	0.83YrCanc	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	478270.4	3774790	2.69E-07	0.83YrCanc	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	478320.4	3774790	2.85E-07	0.83YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	478370.4	3774790	3.02E-07	0.83YrCanc	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	478420.4	3774790	3.20E-07	0.83YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	478470.4	3774790	3.40E-07	0.83YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	478520.4	3774790	3.61E-07	0.83YrCanc	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	478570.4	3774790	3.83E-07	0.83YrCanc	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	478620.4	3774790	4.06E-07	0.83YrCanc	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	478670.4	3774790	4.32E-07	0.83YrCanc	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	478720.4	3774790	4.57E-07	0.83YrCanc	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	478770.4	3774790	4.84E-07	0.83YrCanc	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	478820.4	3774790	5.11E-07	0.83YrCanc	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	478870.4	3774790	5.39E-07	0.83YrCanc	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	478920.4	3774790	5.65E-07	0.83YrCanc	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	478970.4	3774790	5.90E-07	0.83YrCanc	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	479020.4	3774790	6.14E-07	0.83YrCanc	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	479070.4	3774790	6.34E-07	0.83YrCanc	6.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	479120.4	3774790	6.50E-07	0.83YrCanc	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	479370.4	3774790	6.51E-07	0.83YrCanc	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	479420.4	3774790	6.36E-07	0.83YrCanc	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	479470.4	3774790	6.16E-07	0.83YrCanc	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	479520.4	3774790	5.94E-07	0.83YrCanc	5.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	479570.4	3774790	5.22E-07	0.83YrCanc	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	479620.4	3774790	4.92E-07	0.83YrCanc	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	479670.4	3774790	4.69E-07	0.83YrCanc	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	479720.4	3774790	3.89E-07	0.83YrCanc	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	479770.4	3774790	3.61E-07	0.83YrCanc	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	479820.4	3774790	3.35E-07	0.83YrCanc	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	479870.4	3774790	3.19E-07	0.83YrCanc	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	479920.4	3774790	2.98E-07	0.83YrCanc	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	479970.4	3774790	2.82E-07	0.83YrCanc	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	477970.4	3774840	1.90E-07	0.83YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	478020.4	3774840	2.00E-07	0.83YrCanc	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	478070.4	3774840	2.10E-07	0.83YrCanc	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	478120.4	3774840	2.21E-07	0.83YrCanc	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	478170.4	3774840	2.32E-07	0.83YrCanc	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

351	ALL	478220.4	3774840	2.45E-07	0.83YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	478270.4	3774840	2.58E-07	0.83YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	478320.4	3774840	2.73E-07	0.83YrCanc	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	478370.4	3774840	2.88E-07	0.83YrCanc	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	478420.4	3774840	3.04E-07	0.83YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	478470.4	3774840	3.21E-07	0.83YrCanc	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	478520.4	3774840	3.40E-07	0.83YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	478570.4	3774840	3.59E-07	0.83YrCanc	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	478620.4	3774840	3.80E-07	0.83YrCanc	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	478670.4	3774840	4.01E-07	0.83YrCanc	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	478720.4	3774840	4.23E-07	0.83YrCanc	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	478770.4	3774840	4.46E-07	0.83YrCanc	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	478820.4	3774840	4.68E-07	0.83YrCanc	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	478870.4	3774840	4.90E-07	0.83YrCanc	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	478920.4	3774840	5.12E-07	0.83YrCanc	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	478970.4	3774840	5.32E-07	0.83YrCanc	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	479020.4	3774840	5.50E-07	0.83YrCanc	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	479070.4	3774840	5.66E-07	0.83YrCanc	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	479120.4	3774840	5.78E-07	0.83YrCanc	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	479170.4	3774840	5.87E-07	0.83YrCanc	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	479220.4	3774840	5.92E-07	0.83YrCanc	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	479270.4	3774840	5.92E-07	0.83YrCanc	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	479320.4	3774840	5.88E-07	0.83YrCanc	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	479370.4	3774840	5.79E-07	0.83YrCanc	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	479420.4	3774840	5.67E-07	0.83YrCanc	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	479470.4	3774840	5.52E-07	0.83YrCanc	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	479520.4	3774840	5.03E-07	0.83YrCanc	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	479570.4	3774840	4.64E-07	0.83YrCanc	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	479620.4	3774840	4.46E-07	0.83YrCanc	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	479670.4	3774840	3.81E-07	0.83YrCanc	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	479720.4	3774840	3.56E-07	0.83YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	479770.4	3774840	3.32E-07	0.83YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	479820.4	3774840	3.09E-07	0.83YrCanc	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	479870.4	3774840	2.95E-07	0.83YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	479920.4	3774840	2.75E-07	0.83YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	479970.4	3774840	2.63E-07	0.83YrCanc	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	477970.4	3774890	1.85E-07	0.83YrCanc	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	478020.4	3774890	1.94E-07	0.83YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	478070.4	3774890	2.03E-07	0.83YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	478120.4	3774890	2.13E-07	0.83YrCanc	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	478170.4	3774890	2.24E-07	0.83YrCanc	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	478220.4	3774890	2.35E-07	0.83YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	478270.4	3774890	2.48E-07	0.83YrCanc	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	478320.4	3774890	2.60E-07	0.83YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

395	ALL	478370.4	3774890	2.74E-07	0.83YrCanc	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	478420.4	3774890	2.89E-07	0.83YrCanc	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	478470.4	3774890	3.04E-07	0.83YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	478520.4	3774890	3.20E-07	0.83YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	478570.4	3774890	3.37E-07	0.83YrCanc	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	478620.4	3774890	3.55E-07	0.83YrCanc	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	478670.4	3774890	3.73E-07	0.83YrCanc	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	478720.4	3774890	3.92E-07	0.83YrCanc	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	478770.4	3774890	4.11E-07	0.83YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	478820.4	3774890	4.30E-07	0.83YrCanc	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	478870.4	3774890	4.48E-07	0.83YrCanc	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	478920.4	3774890	4.66E-07	0.83YrCanc	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	478970.4	3774890	4.82E-07	0.83YrCanc	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	479020.4	3774890	4.97E-07	0.83YrCanc	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	479070.4	3774890	5.09E-07	0.83YrCanc	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	479120.4	3774890	5.19E-07	0.83YrCanc	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	479170.4	3774890	5.26E-07	0.83YrCanc	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	479220.4	3774890	5.29E-07	0.83YrCanc	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	479270.4	3774890	5.29E-07	0.83YrCanc	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	479320.4	3774890	5.26E-07	0.83YrCanc	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	479370.4	3774890	5.19E-07	0.83YrCanc	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	479420.4	3774890	5.10E-07	0.83YrCanc	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	479470.4	3774890	4.98E-07	0.83YrCanc	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	479520.4	3774890	4.48E-07	0.83YrCanc	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	479570.4	3774890	4.21E-07	0.83YrCanc	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	479620.4	3774890	4.07E-07	0.83YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	479670.4	3774890	3.49E-07	0.83YrCanc	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	479720.4	3774890	3.27E-07	0.83YrCanc	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	479770.4	3774890	3.06E-07	0.83YrCanc	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	479820.4	3774890	2.85E-07	0.83YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	479870.4	3774890	2.74E-07	0.83YrCanc	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	479920.4	3774890	2.56E-07	0.83YrCanc	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	479970.4	3774890	2.45E-07	0.83YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	477970.4	3774940	1.79E-07	0.83YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	478020.4	3774940	1.87E-07	0.83YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	478070.4	3774940	1.96E-07	0.83YrCanc	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	478120.4	3774940	2.05E-07	0.83YrCanc	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	478170.4	3774940	2.15E-07	0.83YrCanc	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	478220.4	3774940	2.26E-07	0.83YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	478270.4	3774940	2.37E-07	0.83YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	478320.4	3774940	2.49E-07	0.83YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	478370.4	3774940	2.61E-07	0.83YrCanc	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	478420.4	3774940	2.74E-07	0.83YrCanc	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	478470.4	3774940	2.88E-07	0.83YrCanc	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

439	ALL	478520.4	3774940	3.02E-07	0.83YrCanc	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	478570.4	3774940	3.17E-07	0.83YrCanc	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	478620.4	3774940	3.32E-07	0.83YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	478670.4	3774940	3.48E-07	0.83YrCanc	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	478720.4	3774940	3.64E-07	0.83YrCanc	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	478770.4	3774940	3.80E-07	0.83YrCanc	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	478820.4	3774940	3.95E-07	0.83YrCanc	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	478870.4	3774940	4.11E-07	0.83YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	478920.4	3774940	4.25E-07	0.83YrCanc	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	478970.4	3774940	4.39E-07	0.83YrCanc	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	479020.4	3774940	4.51E-07	0.83YrCanc	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	479070.4	3774940	4.61E-07	0.83YrCanc	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	479120.4	3774940	4.68E-07	0.83YrCanc	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	479170.4	3774940	4.74E-07	0.83YrCanc	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	479220.4	3774940	4.77E-07	0.83YrCanc	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	479270.4	3774940	4.77E-07	0.83YrCanc	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	479320.4	3774940	4.74E-07	0.83YrCanc	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	479370.4	3774940	4.69E-07	0.83YrCanc	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	479420.4	3774940	4.61E-07	0.83YrCanc	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	479470.4	3774940	4.51E-07	0.83YrCanc	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	479520.4	3774940	4.07E-07	0.83YrCanc	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	479570.4	3774940	3.84E-07	0.83YrCanc	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	479620.4	3774940	3.72E-07	0.83YrCanc	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	479670.4	3774940	3.20E-07	0.83YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	479720.4	3774940	3.01E-07	0.83YrCanc	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	479770.4	3774940	2.76E-07	0.83YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	479820.4	3774940	2.65E-07	0.83YrCanc	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	479870.4	3774940	2.55E-07	0.83YrCanc	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	479920.4	3774940	2.39E-07	0.83YrCanc	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	479970.4	3774940	2.29E-07	0.83YrCanc	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	477970.4	3774990	1.74E-07	0.83YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	478020.4	3774990	1.81E-07	0.83YrCanc	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	478070.4	3774990	1.89E-07	0.83YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	478120.4	3774990	1.98E-07	0.83YrCanc	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	478170.4	3774990	2.07E-07	0.83YrCanc	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	478220.4	3774990	2.16E-07	0.83YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	478270.4	3774990	2.27E-07	0.83YrCanc	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	478320.4	3774990	2.37E-07	0.83YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	478370.4	3774990	2.48E-07	0.83YrCanc	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	478420.4	3774990	2.60E-07	0.83YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	478470.4	3774990	2.72E-07	0.83YrCanc	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	478520.4	3774990	2.85E-07	0.83YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	478570.4	3774990	2.98E-07	0.83YrCanc	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	478620.4	3774990	3.11E-07	0.83YrCanc	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

483	ALL	478670.4	3774990	3.25E-07	0.83YrCanc	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	478720.4	3774990	3.38E-07	0.83YrCanc	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	478770.4	3774990	3.52E-07	0.83YrCanc	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	478820.4	3774990	3.65E-07	0.83YrCanc	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	478870.4	3774990	3.78E-07	0.83YrCanc	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	478920.4	3774990	3.90E-07	0.83YrCanc	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	478970.4	3774990	4.01E-07	0.83YrCanc	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	479020.4	3774990	4.11E-07	0.83YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	479070.4	3774990	4.19E-07	0.83YrCanc	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	479120.4	3774990	4.25E-07	0.83YrCanc	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	479170.4	3774990	4.30E-07	0.83YrCanc	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	479220.4	3774990	4.32E-07	0.83YrCanc	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	479270.4	3774990	4.32E-07	0.83YrCanc	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	479320.4	3774990	4.30E-07	0.83YrCanc	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	479370.4	3774990	4.26E-07	0.83YrCanc	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	479420.4	3774990	4.19E-07	0.83YrCanc	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	479470.4	3774990	4.11E-07	0.83YrCanc	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	479520.4	3774990	3.72E-07	0.83YrCanc	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	479570.4	3774990	3.52E-07	0.83YrCanc	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	479620.4	3774990	3.42E-07	0.83YrCanc	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	479670.4	3774990	2.95E-07	0.83YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	479720.4	3774990	2.78E-07	0.83YrCanc	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	479770.4	3774990	2.58E-07	0.83YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	479820.4	3774990	2.46E-07	0.83YrCanc	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	479870.4	3774990	2.37E-07	0.83YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	479920.4	3774990	2.23E-07	0.83YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	479970.4	3774990	2.15E-07	0.83YrCanc	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	477970.4	3775040	1.68E-07	0.83YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	478020.4	3775040	1.75E-07	0.83YrCanc	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	478070.4	3775040	1.83E-07	0.83YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	478120.4	3775040	1.91E-07	0.83YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	478170.4	3775040	1.99E-07	0.83YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	478220.4	3775040	2.08E-07	0.83YrCanc	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	478270.4	3775040	2.17E-07	0.83YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	478320.4	3775040	2.27E-07	0.83YrCanc	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	478370.4	3775040	2.37E-07	0.83YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	478420.4	3775040	2.47E-07	0.83YrCanc	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	478470.4	3775040	2.58E-07	0.83YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	478520.4	3775040	2.69E-07	0.83YrCanc	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	478570.4	3775040	2.81E-07	0.83YrCanc	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	478620.4	3775040	2.92E-07	0.83YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	478670.4	3775040	3.04E-07	0.83YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	478720.4	3775040	3.15E-07	0.83YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	478770.4	3775040	3.27E-07	0.83YrCanc	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

527	ALL	478820.4	3775040	3.38E-07	0.83YrCanc	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	478870.4	3775040	3.49E-07	0.83YrCanc	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	478920.4	3775040	3.59E-07	0.83YrCanc	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	478970.4	3775040	3.68E-07	0.83YrCanc	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	479020.4	3775040	3.77E-07	0.83YrCanc	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	479070.4	3775040	3.83E-07	0.83YrCanc	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	479120.4	3775040	3.88E-07	0.83YrCanc	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	479170.4	3775040	3.92E-07	0.83YrCanc	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	479220.4	3775040	3.94E-07	0.83YrCanc	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	479270.4	3775040	3.94E-07	0.83YrCanc	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	479320.4	3775040	3.92E-07	0.83YrCanc	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	479370.4	3775040	3.89E-07	0.83YrCanc	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	479420.4	3775040	3.83E-07	0.83YrCanc	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	479470.4	3775040	3.77E-07	0.83YrCanc	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	479520.4	3775040	3.69E-07	0.83YrCanc	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	479570.4	3775040	3.27E-07	0.83YrCanc	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	479620.4	3775040	3.15E-07	0.83YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	479670.4	3775040	2.74E-07	0.83YrCanc	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	479720.4	3775040	2.58E-07	0.83YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	479770.4	3775040	2.43E-07	0.83YrCanc	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	479820.4	3775040	2.29E-07	0.83YrCanc	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	479870.4	3775040	2.22E-07	0.83YrCanc	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	479920.4	3775040	2.09E-07	0.83YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	479970.4	3775040	2.02E-07	0.83YrCanc	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	477970.4	3775090	1.63E-07	0.83YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	478020.4	3775090	1.69E-07	0.83YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	478070.4	3775090	1.76E-07	0.83YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	478120.4	3775090	1.84E-07	0.83YrCanc	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	478170.4	3775090	1.91E-07	0.83YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	478220.4	3775090	1.99E-07	0.83YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	478270.4	3775090	2.08E-07	0.83YrCanc	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	478320.4	3775090	2.16E-07	0.83YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	478370.4	3775090	2.25E-07	0.83YrCanc	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	478420.4	3775090	2.35E-07	0.83YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	478470.4	3775090	2.44E-07	0.83YrCanc	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	478520.4	3775090	2.54E-07	0.83YrCanc	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	478570.4	3775090	2.64E-07	0.83YrCanc	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	478620.4	3775090	2.75E-07	0.83YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	478670.4	3775090	2.85E-07	0.83YrCanc	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	478720.4	3775090	2.95E-07	0.83YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	478770.4	3775090	3.05E-07	0.83YrCanc	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	478820.4	3775090	3.14E-07	0.83YrCanc	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	478870.4	3775090	3.24E-07	0.83YrCanc	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	478920.4	3775090	3.32E-07	0.83YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

571	ALL	478970.4	3775090	3.40E-07	0.83YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	479020.4	3775090	3.46E-07	0.83YrCanc	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	479070.4	3775090	3.52E-07	0.83YrCanc	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	479120.4	3775090	3.56E-07	0.83YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	479170.4	3775090	3.59E-07	0.83YrCanc	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	479220.4	3775090	3.61E-07	0.83YrCanc	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	479270.4	3775090	3.61E-07	0.83YrCanc	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	479320.4	3775090	3.59E-07	0.83YrCanc	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	479370.4	3775090	3.56E-07	0.83YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	479420.4	3775090	3.52E-07	0.83YrCanc	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	479470.4	3775090	3.47E-07	0.83YrCanc	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	479520.4	3775090	3.40E-07	0.83YrCanc	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	479570.4	3775090	3.12E-07	0.83YrCanc	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	479620.4	3775090	2.92E-07	0.83YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	479670.4	3775090	2.84E-07	0.83YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	479720.4	3775090	2.40E-07	0.83YrCanc	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	479770.4	3775090	2.20E-07	0.83YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	479820.4	3775090	2.14E-07	0.83YrCanc	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	479870.4	3775090	2.06E-07	0.83YrCanc	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	479920.4	3775090	1.96E-07	0.83YrCanc	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	479970.4	3775090	1.90E-07	0.83YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	477970.4	3775140	1.57E-07	0.83YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	478020.4	3775140	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	478070.4	3775140	1.70E-07	0.83YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	478120.4	3775140	1.77E-07	0.83YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	478170.4	3775140	1.84E-07	0.83YrCanc	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	478220.4	3775140	1.91E-07	0.83YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	478270.4	3775140	1.99E-07	0.83YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	478320.4	3775140	2.07E-07	0.83YrCanc	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	478370.4	3775140	2.15E-07	0.83YrCanc	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	478420.4	3775140	2.23E-07	0.83YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	478470.4	3775140	2.32E-07	0.83YrCanc	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	478520.4	3775140	2.41E-07	0.83YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	478570.4	3775140	2.49E-07	0.83YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	478620.4	3775140	2.58E-07	0.83YrCanc	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	478670.4	3775140	2.67E-07	0.83YrCanc	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	478720.4	3775140	2.76E-07	0.83YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	478770.4	3775140	2.84E-07	0.83YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	478820.4	3775140	2.93E-07	0.83YrCanc	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	478870.4	3775140	3.01E-07	0.83YrCanc	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	478920.4	3775140	3.08E-07	0.83YrCanc	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	478970.4	3775140	3.14E-07	0.83YrCanc	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	479020.4	3775140	3.20E-07	0.83YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	479070.4	3775140	3.25E-07	0.83YrCanc	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

615	ALL	479120.4	3775140	3.28E-07	0.83YrCanc	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	479170.4	3775140	3.31E-07	0.83YrCanc	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	479220.4	3775140	3.32E-07	0.83YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	479270.4	3775140	3.32E-07	0.83YrCanc	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	479320.4	3775140	3.31E-07	0.83YrCanc	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	479370.4	3775140	3.28E-07	0.83YrCanc	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	479420.4	3775140	3.25E-07	0.83YrCanc	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	479470.4	3775140	3.20E-07	0.83YrCanc	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	479520.4	3775140	3.15E-07	0.83YrCanc	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	479570.4	3775140	2.93E-07	0.83YrCanc	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	479620.4	3775140	2.71E-07	0.83YrCanc	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	479670.4	3775140	2.64E-07	0.83YrCanc	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	479720.4	3775140	2.23E-07	0.83YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	479770.4	3775140	2.06E-07	0.83YrCanc	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	479820.4	3775140	2.00E-07	0.83YrCanc	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	479870.4	3775140	1.93E-07	0.83YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	479920.4	3775140	1.84E-07	0.83YrCanc	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	479970.4	3775140	1.78E-07	0.83YrCanc	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	477970.4	3775190	1.52E-07	0.83YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	478020.4	3775190	1.58E-07	0.83YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	478070.4	3775190	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	478120.4	3775190	1.70E-07	0.83YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	478170.4	3775190	1.77E-07	0.83YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	478220.4	3775190	1.83E-07	0.83YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	478270.4	3775190	1.90E-07	0.83YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	478320.4	3775190	1.97E-07	0.83YrCanc	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	478370.4	3775190	2.05E-07	0.83YrCanc	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	478420.4	3775190	2.12E-07	0.83YrCanc	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	478470.4	3775190	2.20E-07	0.83YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	478520.4	3775190	2.28E-07	0.83YrCanc	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	478570.4	3775190	2.36E-07	0.83YrCanc	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	478620.4	3775190	2.44E-07	0.83YrCanc	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	478670.4	3775190	2.51E-07	0.83YrCanc	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	478720.4	3775190	2.59E-07	0.83YrCanc	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	478770.4	3775190	2.66E-07	0.83YrCanc	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	478820.4	3775190	2.73E-07	0.83YrCanc	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	478870.4	3775190	2.80E-07	0.83YrCanc	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	478920.4	3775190	2.86E-07	0.83YrCanc	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	478970.4	3775190	2.92E-07	0.83YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	479020.4	3775190	2.97E-07	0.83YrCanc	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	479070.4	3775190	3.00E-07	0.83YrCanc	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	479120.4	3775190	3.04E-07	0.83YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	479170.4	3775190	3.06E-07	0.83YrCanc	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	479220.4	3775190	3.07E-07	0.83YrCanc	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

659	ALL	479270.4	3775190	3.07E-07	0.83YrCanc	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	479320.4	3775190	3.06E-07	0.83YrCanc	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	479370.4	3775190	3.04E-07	0.83YrCanc	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	479420.4	3775190	3.01E-07	0.83YrCanc	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	479470.4	3775190	2.97E-07	0.83YrCanc	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	479520.4	3775190	2.92E-07	0.83YrCanc	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	479570.4	3775190	2.87E-07	0.83YrCanc	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	479620.4	3775190	2.52E-07	0.83YrCanc	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	479670.4	3775190	2.46E-07	0.83YrCanc	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	479720.4	3775190	2.09E-07	0.83YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	479770.4	3775190	1.93E-07	0.83YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	479820.4	3775190	1.88E-07	0.83YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	479870.4	3775190	1.78E-07	0.83YrCanc	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	479920.4	3775190	1.73E-07	0.83YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	479970.4	3775190	1.66E-07	0.83YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	477970.4	3775240	1.47E-07	0.83YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	478020.4	3775240	1.53E-07	0.83YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	478070.4	3775240	1.58E-07	0.83YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	478120.4	3775240	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	478170.4	3775240	1.70E-07	0.83YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	478220.4	3775240	1.76E-07	0.83YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	478270.4	3775240	1.82E-07	0.83YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	478320.4	3775240	1.89E-07	0.83YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	478370.4	3775240	1.95E-07	0.83YrCanc	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	478420.4	3775240	2.02E-07	0.83YrCanc	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	478470.4	3775240	2.09E-07	0.83YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	478520.4	3775240	2.16E-07	0.83YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	478570.4	3775240	2.23E-07	0.83YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	478620.4	3775240	2.30E-07	0.83YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	478670.4	3775240	2.37E-07	0.83YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	478720.4	3775240	2.43E-07	0.83YrCanc	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	478770.4	3775240	2.50E-07	0.83YrCanc	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	478820.4	3775240	2.56E-07	0.83YrCanc	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	478870.4	3775240	2.62E-07	0.83YrCanc	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	478920.4	3775240	2.67E-07	0.83YrCanc	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	478970.4	3775240	2.72E-07	0.83YrCanc	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	479020.4	3775240	2.76E-07	0.83YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	479070.4	3775240	2.79E-07	0.83YrCanc	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	479120.4	3775240	2.82E-07	0.83YrCanc	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	479170.4	3775240	2.83E-07	0.83YrCanc	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	479220.4	3775240	2.84E-07	0.83YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	479270.4	3775240	2.84E-07	0.83YrCanc	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	479320.4	3775240	2.83E-07	0.83YrCanc	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	479370.4	3775240	2.82E-07	0.83YrCanc	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

703	ALL	479420.4	3775240	2.79E-07	0.83YrCanc	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	479470.4	3775240	2.76E-07	0.83YrCanc	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	479520.4	3775240	2.72E-07	0.83YrCanc	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	479570.4	3775240	2.52E-07	0.83YrCanc	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	479620.4	3775240	2.35E-07	0.83YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	479670.4	3775240	2.07E-07	0.83YrCanc	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	479720.4	3775240	1.96E-07	0.83YrCanc	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	479770.4	3775240	1.81E-07	0.83YrCanc	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	479820.4	3775240	1.77E-07	0.83YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	479870.4	3775240	1.68E-07	0.83YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	479920.4	3775240	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	479970.4	3775240	1.57E-07	0.83YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	477970.4	3775290	1.42E-07	0.83YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	478020.4	3775290	1.47E-07	0.83YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	478070.4	3775290	1.53E-07	0.83YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	478120.4	3775290	1.58E-07	0.83YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	478170.4	3775290	1.63E-07	0.83YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	478220.4	3775290	1.69E-07	0.83YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	478270.4	3775290	1.75E-07	0.83YrCanc	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	478320.4	3775290	1.80E-07	0.83YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	478370.4	3775290	1.86E-07	0.83YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	478420.4	3775290	1.93E-07	0.83YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	478470.4	3775290	1.99E-07	0.83YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	478520.4	3775290	2.05E-07	0.83YrCanc	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	478570.4	3775290	2.11E-07	0.83YrCanc	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	478620.4	3775290	2.17E-07	0.83YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	478670.4	3775290	2.23E-07	0.83YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	478720.4	3775290	2.29E-07	0.83YrCanc	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	478770.4	3775290	2.35E-07	0.83YrCanc	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	478820.4	3775290	2.40E-07	0.83YrCanc	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	478870.4	3775290	2.45E-07	0.83YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	478920.4	3775290	2.50E-07	0.83YrCanc	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	478970.4	3775290	2.54E-07	0.83YrCanc	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	479020.4	3775290	2.57E-07	0.83YrCanc	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	479070.4	3775290	2.60E-07	0.83YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	479120.4	3775290	2.62E-07	0.83YrCanc	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	479170.4	3775290	2.64E-07	0.83YrCanc	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	479220.4	3775290	2.65E-07	0.83YrCanc	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	479270.4	3775290	2.64E-07	0.83YrCanc	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	479320.4	3775290	2.64E-07	0.83YrCanc	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	479370.4	3775290	2.62E-07	0.83YrCanc	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	479420.4	3775290	2.60E-07	0.83YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	479470.4	3775290	2.57E-07	0.83YrCanc	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	479520.4	3775290	2.54E-07	0.83YrCanc	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

747	ALL	479570.4	3775290	2.24E-07	0.83YrCanc	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	479620.4	3775290	2.20E-07	0.83YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	479670.4	3775290	1.92E-07	0.83YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	479720.4	3775290	1.77E-07	0.83YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	479770.4	3775290	1.70E-07	0.83YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	479820.4	3775290	1.66E-07	0.83YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	479870.4	3775290	1.58E-07	0.83YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	479920.4	3775290	1.54E-07	0.83YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	479970.4	3775290	1.47E-07	0.83YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	477970.4	3775340	1.38E-07	0.83YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	478020.4	3775340	1.42E-07	0.83YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	478070.4	3775340	1.47E-07	0.83YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	478120.4	3775340	1.52E-07	0.83YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	478170.4	3775340	1.57E-07	0.83YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	478220.4	3775340	1.62E-07	0.83YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	478270.4	3775340	1.67E-07	0.83YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	478320.4	3775340	1.73E-07	0.83YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	478370.4	3775340	1.78E-07	0.83YrCanc	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	478420.4	3775340	1.84E-07	0.83YrCanc	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	478470.4	3775340	1.89E-07	0.83YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	478520.4	3775340	1.95E-07	0.83YrCanc	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	478570.4	3775340	2.00E-07	0.83YrCanc	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	478620.4	3775340	2.05E-07	0.83YrCanc	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	478670.4	3775340	2.11E-07	0.83YrCanc	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	478720.4	3775340	2.16E-07	0.83YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	478770.4	3775340	2.21E-07	0.83YrCanc	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	478820.4	3775340	2.26E-07	0.83YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	478870.4	3775340	2.30E-07	0.83YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	478920.4	3775340	2.34E-07	0.83YrCanc	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	478970.4	3775340	2.37E-07	0.83YrCanc	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	479020.4	3775340	2.41E-07	0.83YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	479070.4	3775340	2.43E-07	0.83YrCanc	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	479120.4	3775340	2.45E-07	0.83YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	479170.4	3775340	2.46E-07	0.83YrCanc	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	479220.4	3775340	2.47E-07	0.83YrCanc	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	479270.4	3775340	2.47E-07	0.83YrCanc	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	479320.4	3775340	2.46E-07	0.83YrCanc	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	479370.4	3775340	2.45E-07	0.83YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	479420.4	3775340	2.43E-07	0.83YrCanc	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	479470.4	3775340	2.41E-07	0.83YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	479520.4	3775340	2.38E-07	0.83YrCanc	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	479570.4	3775340	2.10E-07	0.83YrCanc	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	479620.4	3775340	2.06E-07	0.83YrCanc	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	479670.4	3775340	1.80E-07	0.83YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

791	ALL	479720.4	3775340	1.66E-07	0.83YrCanc	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	479770.4	3775340	1.60E-07	0.83YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	479820.4	3775340	1.57E-07	0.83YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	479870.4	3775340	1.49E-07	0.83YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	479920.4	3775340	1.46E-07	0.83YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	479970.4	3775340	1.40E-07	0.83YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	477970.4	3775390	1.33E-07	0.83YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	478020.4	3775390	1.38E-07	0.83YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	478070.4	3775390	1.42E-07	0.83YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	478120.4	3775390	1.46E-07	0.83YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	478170.4	3775390	1.51E-07	0.83YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	478220.4	3775390	1.56E-07	0.83YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	478270.4	3775390	1.60E-07	0.83YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	478320.4	3775390	1.65E-07	0.83YrCanc	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	478370.4	3775390	1.70E-07	0.83YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	478420.4	3775390	1.75E-07	0.83YrCanc	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	478470.4	3775390	1.80E-07	0.83YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	478520.4	3775390	1.85E-07	0.83YrCanc	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	478570.4	3775390	1.90E-07	0.83YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	478620.4	3775390	1.95E-07	0.83YrCanc	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	478670.4	3775390	2.00E-07	0.83YrCanc	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	478720.4	3775390	2.04E-07	0.83YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	478770.4	3775390	2.08E-07	0.83YrCanc	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	478820.4	3775390	2.13E-07	0.83YrCanc	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	478870.4	3775390	2.16E-07	0.83YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	478920.4	3775390	2.20E-07	0.83YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	478970.4	3775390	2.23E-07	0.83YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	479020.4	3775390	2.26E-07	0.83YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	479070.4	3775390	2.28E-07	0.83YrCanc	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	479120.4	3775390	2.29E-07	0.83YrCanc	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	479170.4	3775390	2.30E-07	0.83YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	479220.4	3775390	2.31E-07	0.83YrCanc	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	479270.4	3775390	2.31E-07	0.83YrCanc	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	479320.4	3775390	2.30E-07	0.83YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	479370.4	3775390	2.29E-07	0.83YrCanc	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	479420.4	3775390	2.28E-07	0.83YrCanc	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	479470.4	3775390	2.25E-07	0.83YrCanc	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	479520.4	3775390	2.23E-07	0.83YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	479570.4	3775390	2.05E-07	0.83YrCanc	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	479620.4	3775390	1.81E-07	0.83YrCanc	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	479670.4	3775390	1.68E-07	0.83YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	479720.4	3775390	1.57E-07	0.83YrCanc	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	479770.4	3775390	1.51E-07	0.83YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	479820.4	3775390	1.46E-07	0.83YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

835	ALL	479870.4	3775390	1.41E-07	0.83YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	479920.4	3775390	1.36E-07	0.83YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	479970.4	3775390	1.32E-07	0.83YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	477970.4	3775440	1.29E-07	0.83YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	478020.4	3775440	1.33E-07	0.83YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	478070.4	3775440	1.37E-07	0.83YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	478120.4	3775440	1.41E-07	0.83YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	478170.4	3775440	1.45E-07	0.83YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	478220.4	3775440	1.49E-07	0.83YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	478270.4	3775440	1.54E-07	0.83YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	478320.4	3775440	1.58E-07	0.83YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	478370.4	3775440	1.63E-07	0.83YrCanc	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	478420.4	3775440	1.67E-07	0.83YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	478470.4	3775440	1.72E-07	0.83YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	478520.4	3775440	1.76E-07	0.83YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	478570.4	3775440	1.81E-07	0.83YrCanc	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	478620.4	3775440	1.85E-07	0.83YrCanc	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	478670.4	3775440	1.89E-07	0.83YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	478720.4	3775440	1.93E-07	0.83YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	478770.4	3775440	1.97E-07	0.83YrCanc	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	478820.4	3775440	2.01E-07	0.83YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	478870.4	3775440	2.04E-07	0.83YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	478920.4	3775440	2.07E-07	0.83YrCanc	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	478970.4	3775440	2.10E-07	0.83YrCanc	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	479020.4	3775440	2.12E-07	0.83YrCanc	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	479070.4	3775440	2.14E-07	0.83YrCanc	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	479120.4	3775440	2.15E-07	0.83YrCanc	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	479170.4	3775440	2.16E-07	0.83YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	479220.4	3775440	2.17E-07	0.83YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	479270.4	3775440	2.17E-07	0.83YrCanc	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	479320.4	3775440	2.16E-07	0.83YrCanc	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	479370.4	3775440	2.15E-07	0.83YrCanc	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	479420.4	3775440	2.14E-07	0.83YrCanc	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	479470.4	3775440	2.12E-07	0.83YrCanc	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	479520.4	3775440	2.10E-07	0.83YrCanc	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	479570.4	3775440	1.94E-07	0.83YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	479620.4	3775440	1.71E-07	0.83YrCanc	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	479670.4	3775440	1.56E-07	0.83YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	479720.4	3775440	1.47E-07	0.83YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	479770.4	3775440	1.43E-07	0.83YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	479820.4	3775440	1.37E-07	0.83YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	479870.4	3775440	1.33E-07	0.83YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	479920.4	3775440	1.28E-07	0.83YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	479970.4	3775440	1.26E-07	0.83YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

879	ALL	477970.4	3775490	1.25E-07	0.83YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	478020.4	3775490	1.28E-07	0.83YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	478070.4	3775490	1.32E-07	0.83YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	478120.4	3775490	1.36E-07	0.83YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	478170.4	3775490	1.40E-07	0.83YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	478220.4	3775490	1.44E-07	0.83YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	478270.4	3775490	1.48E-07	0.83YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	478320.4	3775490	1.52E-07	0.83YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	478370.4	3775490	1.56E-07	0.83YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	478420.4	3775490	1.60E-07	0.83YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	478470.4	3775490	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	478520.4	3775490	1.68E-07	0.83YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	478570.4	3775490	1.72E-07	0.83YrCanc	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	478620.4	3775490	1.76E-07	0.83YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	478670.4	3775490	1.79E-07	0.83YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	478720.4	3775490	1.83E-07	0.83YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	478770.4	3775490	1.86E-07	0.83YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	478820.4	3775490	1.90E-07	0.83YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	478870.4	3775490	1.93E-07	0.83YrCanc	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	478920.4	3775490	1.95E-07	0.83YrCanc	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	478970.4	3775490	1.98E-07	0.83YrCanc	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	479020.4	3775490	2.00E-07	0.83YrCanc	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	479070.4	3775490	2.01E-07	0.83YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	479120.4	3775490	2.03E-07	0.83YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	479170.4	3775490	2.03E-07	0.83YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	479220.4	3775490	2.04E-07	0.83YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	479270.4	3775490	2.04E-07	0.83YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	479320.4	3775490	2.03E-07	0.83YrCanc	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	479370.4	3775490	2.02E-07	0.83YrCanc	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	479420.4	3775490	2.01E-07	0.83YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	479470.4	3775490	2.00E-07	0.83YrCanc	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	479520.4	3775490	1.98E-07	0.83YrCanc	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	479570.4	3775490	1.83E-07	0.83YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	479620.4	3775490	1.61E-07	0.83YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	479670.4	3775490	1.48E-07	0.83YrCanc	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	479720.4	3775490	1.37E-07	0.83YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	479770.4	3775490	1.35E-07	0.83YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	479820.4	3775490	1.29E-07	0.83YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	479870.4	3775490	1.26E-07	0.83YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	479920.4	3775490	1.22E-07	0.83YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	479970.4	3775490	1.19E-07	0.83YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	477970.4	3775540	1.21E-07	0.83YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	478020.4	3775540	1.24E-07	0.83YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	478070.4	3775540	1.27E-07	0.83YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

923	ALL	478120.4	3775540	1.31E-07	0.83YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	478170.4	3775540	1.34E-07	0.83YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	478220.4	3775540	1.38E-07	0.83YrCanc	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	478270.4	3775540	1.42E-07	0.83YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	478320.4	3775540	1.45E-07	0.83YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	478370.4	3775540	1.49E-07	0.83YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	478420.4	3775540	1.53E-07	0.83YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	478470.4	3775540	1.56E-07	0.83YrCanc	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	478520.4	3775540	1.60E-07	0.83YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	478570.4	3775540	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	478620.4	3775540	1.67E-07	0.83YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	478670.4	3775540	1.70E-07	0.83YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	478720.4	3775540	1.74E-07	0.83YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	478770.4	3775540	1.77E-07	0.83YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	478820.4	3775540	1.80E-07	0.83YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	478870.4	3775540	1.82E-07	0.83YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	478920.4	3775540	1.85E-07	0.83YrCanc	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	478970.4	3775540	1.87E-07	0.83YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	479020.4	3775540	1.88E-07	0.83YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	479070.4	3775540	1.90E-07	0.83YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	479120.4	3775540	1.91E-07	0.83YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	479170.4	3775540	1.92E-07	0.83YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	479220.4	3775540	1.92E-07	0.83YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	479270.4	3775540	1.92E-07	0.83YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	479320.4	3775540	1.92E-07	0.83YrCanc	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	479370.4	3775540	1.91E-07	0.83YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	479420.4	3775540	1.90E-07	0.83YrCanc	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	479470.4	3775540	1.88E-07	0.83YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	479520.4	3775540	1.87E-07	0.83YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	479570.4	3775540	1.73E-07	0.83YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	479620.4	3775540	1.52E-07	0.83YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	479670.4	3775540	1.40E-07	0.83YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	479720.4	3775540	1.30E-07	0.83YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	479770.4	3775540	1.26E-07	0.83YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	479820.4	3775540	1.23E-07	0.83YrCanc	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	479870.4	3775540	1.18E-07	0.83YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	479920.4	3775540	1.16E-07	0.83YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	479970.4	3775540	1.12E-07	0.83YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	478861.4	3774619	7.55E-07	0.83YrCanc	7.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	478791.5	3774518	8.20E-07	0.83YrCanc	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	478789.7	3774444	9.40E-07	0.83YrCanc	9.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	478748.8	3774450	8.47E-07	0.83YrCanc	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	479103.5	3774681	8.54E-07	0.83YrCanc	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	479094.5	3774696	8.15E-07	0.83YrCanc	8.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

967	ALL	479077.3	3774697	8.03E-07	0.83YrCanc	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	479101.5	3774732	7.45E-07	0.83YrCanc	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	479782.9	3774152	2.19E-06	0.83YrCanc	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	479890.1	3774169	1.66E-06	0.83YrCanc	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	479890.1	3774137	1.75E-06	0.83YrCanc	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	479913.7	3774138	1.65E-06	0.83YrCanc	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	479911.2	3774168	1.58E-06	0.83YrCanc	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	479885.8	3774065	1.86E-06	0.83YrCanc	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	480148.5	3774029	1.35E-06	0.83YrCanc	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	480198.5	3774029	1.25E-06	0.83YrCanc	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	480248.5	3774029	1.17E-06	0.83YrCanc	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	480298.5	3774029	1.10E-06	0.83YrCanc	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	480348.5	3774029	1.03E-06	0.83YrCanc	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	480398.5	3774029	9.73E-07	0.83YrCanc	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	480448.5	3774029	9.13E-07	0.83YrCanc	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	480498.5	3774029	8.67E-07	0.83YrCanc	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	480098.5	3774079	1.45E-06	0.83YrCanc	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	480148.5	3774079	1.35E-06	0.83YrCanc	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	480198.5	3774079	1.25E-06	0.83YrCanc	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	480248.5	3774079	1.17E-06	0.83YrCanc	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	480298.5	3774079	1.09E-06	0.83YrCanc	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	480348.5	3774079	1.02E-06	0.83YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	480398.5	3774079	9.65E-07	0.83YrCanc	9.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	480448.5	3774079	9.04E-07	0.83YrCanc	9.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	480498.5	3774079	8.56E-07	0.83YrCanc	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	479998.5	3774129	1.60E-06	0.83YrCanc	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	480048.5	3774129	1.52E-06	0.83YrCanc	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	480098.5	3774129	1.39E-06	0.83YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	480148.5	3774129	1.29E-06	0.83YrCanc	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	480198.5	3774129	1.20E-06	0.83YrCanc	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	480248.5	3774129	1.12E-06	0.83YrCanc	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	480298.5	3774129	1.05E-06	0.83YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	480348.5	3774129	9.80E-07	0.83YrCanc	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	480398.5	3774129	9.18E-07	0.83YrCanc	9.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	480448.5	3774129	8.67E-07	0.83YrCanc	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	480498.5	3774129	8.17E-07	0.83YrCanc	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	479998.5	3774179	1.46E-06	0.83YrCanc	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	480048.5	3774179	1.39E-06	0.83YrCanc	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	480098.5	3774179	1.27E-06	0.83YrCanc	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	480148.5	3774179	1.19E-06	0.83YrCanc	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	480198.5	3774179	1.10E-06	0.83YrCanc	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	480248.5	3774179	1.03E-06	0.83YrCanc	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	480298.5	3774179	9.68E-07	0.83YrCanc	9.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	480348.5	3774179	9.08E-07	0.83YrCanc	9.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1011	ALL	480398.5	3774179	8.54E-07	0.83YrCanc	8.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	480448.5	3774179	8.07E-07	0.83YrCanc	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	480498.5	3774179	7.62E-07	0.83YrCanc	7.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	479998.5	3774229	1.31E-06	0.83YrCanc	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	480048.5	3774229	1.21E-06	0.83YrCanc	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	480098.5	3774229	1.13E-06	0.83YrCanc	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	480148.5	3774229	1.05E-06	0.83YrCanc	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	480198.5	3774229	9.78E-07	0.83YrCanc	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	480248.5	3774229	9.19E-07	0.83YrCanc	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	480298.5	3774229	8.66E-07	0.83YrCanc	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	480348.5	3774229	8.16E-07	0.83YrCanc	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	480398.5	3774229	7.73E-07	0.83YrCanc	7.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	480448.5	3774229	7.30E-07	0.83YrCanc	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	480498.5	3774229	6.95E-07	0.83YrCanc	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	479998.5	3774279	1.09E-06	0.83YrCanc	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	480048.5	3774279	1.02E-06	0.83YrCanc	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	480098.5	3774279	9.55E-07	0.83YrCanc	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	480148.5	3774279	8.95E-07	0.83YrCanc	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	480198.5	3774279	8.44E-07	0.83YrCanc	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	480248.5	3774279	7.96E-07	0.83YrCanc	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	480298.5	3774279	7.53E-07	0.83YrCanc	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	480348.5	3774279	7.14E-07	0.83YrCanc	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	480398.5	3774279	6.78E-07	0.83YrCanc	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	480448.5	3774279	6.45E-07	0.83YrCanc	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	480498.5	3774279	6.15E-07	0.83YrCanc	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	479998.5	3774329	8.94E-07	0.83YrCanc	8.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	480048.5	3774329	8.41E-07	0.83YrCanc	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	480098.5	3774329	7.92E-07	0.83YrCanc	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	480148.5	3774329	7.50E-07	0.83YrCanc	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	480198.5	3774329	7.10E-07	0.83YrCanc	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	480248.5	3774329	6.75E-07	0.83YrCanc	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	480298.5	3774329	6.42E-07	0.83YrCanc	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	480348.5	3774329	6.12E-07	0.83YrCanc	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	480398.5	3774329	5.84E-07	0.83YrCanc	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	480448.5	3774329	5.59E-07	0.83YrCanc	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	480498.5	3774329	5.35E-07	0.83YrCanc	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	479998.5	3774379	7.30E-07	0.83YrCanc	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	480048.5	3774379	6.91E-07	0.83YrCanc	6.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	480098.5	3774379	6.54E-07	0.83YrCanc	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	480148.5	3774379	6.24E-07	0.83YrCanc	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	480198.5	3774379	5.92E-07	0.83YrCanc	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	480248.5	3774379	5.67E-07	0.83YrCanc	5.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	480298.5	3774379	5.42E-07	0.83YrCanc	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	480348.5	3774379	5.19E-07	0.83YrCanc	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1055	ALL	480398.5	3774379	4.99E-07	0.83YrCanc	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	480448.5	3774379	4.79E-07	0.83YrCanc	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	480498.5	3774379	4.61E-07	0.83YrCanc	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	479998.5	3774429	6.06E-07	0.83YrCanc	6.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	480048.5	3774429	5.70E-07	0.83YrCanc	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	480098.5	3774429	5.44E-07	0.83YrCanc	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	480148.5	3774429	5.19E-07	0.83YrCanc	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	480198.5	3774429	4.96E-07	0.83YrCanc	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	480248.5	3774429	4.77E-07	0.83YrCanc	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	480298.5	3774429	4.57E-07	0.83YrCanc	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	480348.5	3774429	4.40E-07	0.83YrCanc	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	480398.5	3774429	4.23E-07	0.83YrCanc	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	480448.5	3774429	4.08E-07	0.83YrCanc	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	480498.5	3774429	3.95E-07	0.83YrCanc	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	479998.5	3774479	5.12E-07	0.83YrCanc	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	480048.5	3774479	4.82E-07	0.83YrCanc	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	480098.5	3774479	4.62E-07	0.83YrCanc	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	480148.5	3774479	4.39E-07	0.83YrCanc	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	480198.5	3774479	4.21E-07	0.83YrCanc	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	480248.5	3774479	4.06E-07	0.83YrCanc	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	480298.5	3774479	3.88E-07	0.83YrCanc	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	480348.5	3774479	3.76E-07	0.83YrCanc	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	480398.5	3774479	3.60E-07	0.83YrCanc	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	480448.5	3774479	3.50E-07	0.83YrCanc	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	480498.5	3774479	3.38E-07	0.83YrCanc	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	479998.5	3774529	4.44E-07	0.83YrCanc	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	480048.5	3774529	4.20E-07	0.83YrCanc	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	480098.5	3774529	4.01E-07	0.83YrCanc	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	480148.5	3774529	3.78E-07	0.83YrCanc	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	480198.5	3774529	3.65E-07	0.83YrCanc	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	480248.5	3774529	3.51E-07	0.83YrCanc	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	480298.5	3774529	3.35E-07	0.83YrCanc	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	480348.5	3774529	3.25E-07	0.83YrCanc	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	480398.5	3774529	3.12E-07	0.83YrCanc	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	480448.5	3774529	3.03E-07	0.83YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	480498.5	3774529	2.91E-07	0.83YrCanc	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	479998.5	3774579	3.93E-07	0.83YrCanc	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	480048.5	3774579	3.74E-07	0.83YrCanc	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	480098.5	3774579	3.50E-07	0.83YrCanc	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	480148.5	3774579	3.35E-07	0.83YrCanc	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	480198.5	3774579	3.22E-07	0.83YrCanc	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	480248.5	3774579	3.06E-07	0.83YrCanc	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	480298.5	3774579	2.95E-07	0.83YrCanc	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	480348.5	3774579	2.83E-07	0.83YrCanc	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1099	ALL	480398.5	3774579	2.74E-07	0.83YrCanc	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	480448.5	3774579	2.64E-07	0.83YrCanc	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	480498.5	3774579	2.56E-07	0.83YrCanc	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	479998.5	3774629	3.56E-07	0.83YrCanc	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	480048.5	3774629	3.37E-07	0.83YrCanc	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	480098.5	3774629	3.16E-07	0.83YrCanc	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	480148.5	3774629	3.03E-07	0.83YrCanc	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	480198.5	3774629	2.87E-07	0.83YrCanc	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	480248.5	3774629	2.75E-07	0.83YrCanc	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	480298.5	3774629	2.62E-07	0.83YrCanc	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	480348.5	3774629	2.53E-07	0.83YrCanc	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	480398.5	3774629	2.45E-07	0.83YrCanc	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	480448.5	3774629	2.34E-07	0.83YrCanc	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	480498.5	3774629	2.26E-07	0.83YrCanc	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	479998.5	3774679	3.26E-07	0.83YrCanc	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	480048.5	3774679	3.08E-07	0.83YrCanc	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	480098.5	3774679	2.90E-07	0.83YrCanc	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	480148.5	3774679	2.77E-07	0.83YrCanc	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	480198.5	3774679	2.61E-07	0.83YrCanc	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	480248.5	3774679	2.51E-07	0.83YrCanc	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	480298.5	3774679	2.38E-07	0.83YrCanc	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	480348.5	3774679	2.30E-07	0.83YrCanc	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	480398.5	3774679	2.19E-07	0.83YrCanc	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	480448.5	3774679	2.12E-07	0.83YrCanc	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	480498.5	3774679	2.04E-07	0.83YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	479998.5	3774729	3.01E-07	0.83YrCanc	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	480048.5	3774729	2.82E-07	0.83YrCanc	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	480098.5	3774729	2.68E-07	0.83YrCanc	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	480148.5	3774729	2.53E-07	0.83YrCanc	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	480198.5	3774729	2.41E-07	0.83YrCanc	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	480248.5	3774729	2.28E-07	0.83YrCanc	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	480298.5	3774729	2.20E-07	0.83YrCanc	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	480348.5	3774729	2.11E-07	0.83YrCanc	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	480398.5	3774729	2.02E-07	0.83YrCanc	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	480448.5	3774729	1.94E-07	0.83YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	480498.5	3774729	1.87E-07	0.83YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	479998.5	3774779	2.79E-07	0.83YrCanc	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	480048.5	3774779	2.61E-07	0.83YrCanc	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	480098.5	3774779	2.49E-07	0.83YrCanc	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	480148.5	3774779	2.36E-07	0.83YrCanc	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	480198.5	3774779	2.23E-07	0.83YrCanc	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	480248.5	3774779	2.12E-07	0.83YrCanc	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	480298.5	3774779	2.04E-07	0.83YrCanc	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	480348.5	3774779	1.94E-07	0.83YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1143	ALL	480398.5	3774779	1.88E-07	0.83YrCanc	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	480448.5	3774779	1.80E-07	0.83YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	480498.5	3774779	1.74E-07	0.83YrCanc	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	479998.5	3774829	2.60E-07	0.83YrCanc	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	480048.5	3774829	2.43E-07	0.83YrCanc	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	480098.5	3774829	2.33E-07	0.83YrCanc	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	480148.5	3774829	2.21E-07	0.83YrCanc	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	480198.5	3774829	2.09E-07	0.83YrCanc	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	480248.5	3774829	1.99E-07	0.83YrCanc	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	480298.5	3774829	1.91E-07	0.83YrCanc	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	480348.5	3774829	1.82E-07	0.83YrCanc	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	480398.5	3774829	1.76E-07	0.83YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	480448.5	3774829	1.68E-07	0.83YrCanc	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	480498.5	3774829	1.62E-07	0.83YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	479998.5	3774879	2.40E-07	0.83YrCanc	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	480048.5	3774879	2.28E-07	0.83YrCanc	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	480098.5	3774879	2.18E-07	0.83YrCanc	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	480148.5	3774879	2.07E-07	0.83YrCanc	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	480198.5	3774879	1.97E-07	0.83YrCanc	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	480248.5	3774879	1.87E-07	0.83YrCanc	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	480298.5	3774879	1.80E-07	0.83YrCanc	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	480348.5	3774879	1.71E-07	0.83YrCanc	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	480398.5	3774879	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	480448.5	3774879	1.58E-07	0.83YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	480498.5	3774879	1.52E-07	0.83YrCanc	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	479998.5	3774929	2.24E-07	0.83YrCanc	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	480048.5	3774929	2.14E-07	0.83YrCanc	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	480098.5	3774929	2.05E-07	0.83YrCanc	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	480148.5	3774929	1.94E-07	0.83YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	480198.5	3774929	1.86E-07	0.83YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	480248.5	3774929	1.77E-07	0.83YrCanc	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	480298.5	3774929	1.70E-07	0.83YrCanc	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	480348.5	3774929	1.62E-07	0.83YrCanc	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	480398.5	3774929	1.54E-07	0.83YrCanc	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	480448.5	3774929	1.49E-07	0.83YrCanc	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	480498.5	3774929	1.42E-07	0.83YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	479998.5	3774979	2.10E-07	0.83YrCanc	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	480048.5	3774979	2.01E-07	0.83YrCanc	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	480098.5	3774979	1.94E-07	0.83YrCanc	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	480148.5	3774979	1.83E-07	0.83YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	480198.5	3774979	1.76E-07	0.83YrCanc	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	480248.5	3774979	1.67E-07	0.83YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	480298.5	3774979	1.61E-07	0.83YrCanc	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	480348.5	3774979	1.53E-07	0.83YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1187	ALL	480398.5	3774979	1.46E-07	0.83YrCanc	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	480448.5	3774979	1.41E-07	0.83YrCanc	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	480498.5	3774979	1.35E-07	0.83YrCanc	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	479998.5	3775029	1.98E-07	0.83YrCanc	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	480048.5	3775029	1.89E-07	0.83YrCanc	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	480098.5	3775029	1.83E-07	0.83YrCanc	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	480148.5	3775029	1.73E-07	0.83YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	480198.5	3775029	1.67E-07	0.83YrCanc	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	480248.5	3775029	1.58E-07	0.83YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	480298.5	3775029	1.53E-07	0.83YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	480348.5	3775029	1.45E-07	0.83YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	480398.5	3775029	1.39E-07	0.83YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	480448.5	3775029	1.34E-07	0.83YrCanc	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	480498.5	3775029	1.28E-07	0.83YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	479998.5	3775079	1.86E-07	0.83YrCanc	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	480048.5	3775079	1.79E-07	0.83YrCanc	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	480098.5	3775079	1.73E-07	0.83YrCanc	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	480148.5	3775079	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	480198.5	3775079	1.58E-07	0.83YrCanc	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	480248.5	3775079	1.53E-07	0.83YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	480298.5	3775079	1.45E-07	0.83YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	480348.5	3775079	1.39E-07	0.83YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	480398.5	3775079	1.32E-07	0.83YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	480448.5	3775079	1.27E-07	0.83YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	480498.5	3775079	1.22E-07	0.83YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	479998.5	3775129	1.75E-07	0.83YrCanc	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	480048.5	3775129	1.69E-07	0.83YrCanc	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	480098.5	3775129	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	480148.5	3775129	1.55E-07	0.83YrCanc	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	480198.5	3775129	1.50E-07	0.83YrCanc	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	480248.5	3775129	1.45E-07	0.83YrCanc	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	480298.5	3775129	1.39E-07	0.83YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	480348.5	3775129	1.31E-07	0.83YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	480398.5	3775129	1.26E-07	0.83YrCanc	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	480448.5	3775129	1.21E-07	0.83YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	480498.5	3775129	1.16E-07	0.83YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	479998.5	3775179	1.64E-07	0.83YrCanc	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	480048.5	3775179	1.60E-07	0.83YrCanc	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	480098.5	3775179	1.53E-07	0.83YrCanc	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	480148.5	3775179	1.47E-07	0.83YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	480198.5	3775179	1.42E-07	0.83YrCanc	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	480248.5	3775179	1.36E-07	0.83YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	480298.5	3775179	1.31E-07	0.83YrCanc	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	480348.5	3775179	1.25E-07	0.83YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1231	ALL	480398.5	3775179	1.21E-07	0.83YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	480448.5	3775179	1.14E-07	0.83YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	480498.5	3775179	1.10E-07	0.83YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	479998.5	3775229	1.55E-07	0.83YrCanc	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	480048.5	3775229	1.51E-07	0.83YrCanc	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	480098.5	3775229	1.44E-07	0.83YrCanc	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	480148.5	3775229	1.40E-07	0.83YrCanc	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	480198.5	3775229	1.36E-07	0.83YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	480248.5	3775229	1.30E-07	0.83YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	480298.5	3775229	1.24E-07	0.83YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	480348.5	3775229	1.19E-07	0.83YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	480398.5	3775229	1.14E-07	0.83YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	480448.5	3775229	1.09E-07	0.83YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	480498.5	3775229	1.06E-07	0.83YrCanc	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	479998.5	3775279	1.47E-07	0.83YrCanc	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	480048.5	3775279	1.43E-07	0.83YrCanc	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	480098.5	3775279	1.37E-07	0.83YrCanc	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	480148.5	3775279	1.33E-07	0.83YrCanc	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	480198.5	3775279	1.29E-07	0.83YrCanc	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	480248.5	3775279	1.24E-07	0.83YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	480298.5	3775279	1.19E-07	0.83YrCanc	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	480348.5	3775279	1.13E-07	0.83YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	480398.5	3775279	1.09E-07	0.83YrCanc	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	480448.5	3775279	1.04E-07	0.83YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	480498.5	3775279	1.01E-07	0.83YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	479998.5	3775329	1.39E-07	0.83YrCanc	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	480048.5	3775329	1.36E-07	0.83YrCanc	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	480098.5	3775329	1.30E-07	0.83YrCanc	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	480148.5	3775329	1.27E-07	0.83YrCanc	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	480198.5	3775329	1.22E-07	0.83YrCanc	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	480248.5	3775329	1.18E-07	0.83YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	480298.5	3775329	1.13E-07	0.83YrCanc	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	480348.5	3775329	1.08E-07	0.83YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	480398.5	3775329	1.03E-07	0.83YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	480448.5	3775329	1.00E-07	0.83YrCanc	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	480498.5	3775329	9.64E-08	0.83YrCanc	9.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	479998.5	3775379	1.32E-07	0.83YrCanc	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	480048.5	3775379	1.28E-07	0.83YrCanc	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	480098.5	3775379	1.24E-07	0.83YrCanc	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	480148.5	3775379	1.21E-07	0.83YrCanc	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	480198.5	3775379	1.16E-07	0.83YrCanc	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	480248.5	3775379	1.11E-07	0.83YrCanc	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	480298.5	3775379	1.07E-07	0.83YrCanc	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	480348.5	3775379	1.03E-07	0.83YrCanc	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1275	ALL	480398.5	3775379	9.90E-08	0.83YrCanc	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	480448.5	3775379	9.55E-08	0.83YrCanc	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	480498.5	3775379	9.21E-08	0.83YrCanc	9.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	479998.5	3775429	1.25E-07	0.83YrCanc	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	480048.5	3775429	1.20E-07	0.83YrCanc	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	480098.5	3775429	1.18E-07	0.83YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	480148.5	3775429	1.14E-07	0.83YrCanc	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	480198.5	3775429	1.10E-07	0.83YrCanc	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	480248.5	3775429	1.05E-07	0.83YrCanc	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	480298.5	3775429	1.01E-07	0.83YrCanc	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	480348.5	3775429	9.74E-08	0.83YrCanc	9.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	480398.5	3775429	9.39E-08	0.83YrCanc	9.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	480448.5	3775429	9.16E-08	0.83YrCanc	9.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	480498.5	3775429	8.82E-08	0.83YrCanc	8.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	479998.5	3775479	1.18E-07	0.83YrCanc	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	480048.5	3775479	1.15E-07	0.83YrCanc	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	480098.5	3775479	1.12E-07	0.83YrCanc	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	480148.5	3775479	1.08E-07	0.83YrCanc	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	480198.5	3775479	1.04E-07	0.83YrCanc	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	480248.5	3775479	9.93E-08	0.83YrCanc	9.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	480298.5	3775479	9.56E-08	0.83YrCanc	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	480348.5	3775479	9.25E-08	0.83YrCanc	9.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	480398.5	3775479	8.94E-08	0.83YrCanc	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	480448.5	3775479	8.72E-08	0.83YrCanc	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	480498.5	3775479	8.40E-08	0.83YrCanc	8.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

6.73E-06
6.73E+00

HARP2 - HRACalc (dated 22118) 1/9/2023 10:14:41 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 3
Total Exposure Duration: 3

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 3
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5THVICTORIACONST\hra\5thVicCancerCStudentCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5THVICTORIACONST\hra\5thVicCancerCStudentCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 1/9/2023 10:14:41 AM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5THVICTORIACONST\hra\5thVicCancerCStudentHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		478170.4	3774040	2.23E-07	3YrCancerF	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		478220.4	3774040	2.42E-07	3YrCancerF	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		478270.4	3774040	2.64E-07	3YrCancerF	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		478320.4	3774040	2.89E-07	3YrCancerF	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		478170.4	3774090	2.17E-07	3YrCancerF	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		478220.4	3774090	2.35E-07	3YrCancerF	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		478270.4	3774090	2.57E-07	3YrCancerF	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		478320.4	3774090	2.81E-07	3YrCancerF	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		478170.4	3774140	2.11E-07	3YrCancerF	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		478220.4	3774140	2.29E-07	3YrCancerF	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		478270.4	3774140	2.49E-07	3YrCancerF	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		478320.4	3774140	2.72E-07	3YrCancerF	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		478170.4	3774190	2.05E-07	3YrCancerF	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		478220.4	3774190	2.22E-07	3YrCancerF	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		478270.4	3774190	2.41E-07	3YrCancerF	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		478320.4	3774190	2.63E-07	3YrCancerF	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		478170.4	3774240	1.99E-07	3YrCancerF	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		478220.4	3774240	2.15E-07	3YrCancerF	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		478270.4	3774240	2.34E-07	3YrCancerF	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		478320.4	3774240	2.54E-07	3YrCancerF	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		478370.4	3774240	2.78E-07	3YrCancerF	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		478420.4	3774240	3.05E-07	3YrCancerF	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		478470.4	3774240	3.37E-07	3YrCancerF	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		478520.4	3774240	3.75E-07	3YrCancerF	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		478570.4	3774240	4.20E-07	3YrCancerF	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		479570.4	3774240	1.87E-06	3YrCancerF	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		479620.4	3774240	1.56E-06	3YrCancerF	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		479670.4	3774240	1.33E-06	3YrCancerF	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		479720.4	3774240	1.14E-06	3YrCancerF	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		479770.4	3774240	1.03E-06	3YrCancerF	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		479820.4	3774240	9.15E-07	3YrCancerF	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		479870.4	3774240	8.21E-07	3YrCancerF	8.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		479920.4	3774240	7.41E-07	3YrCancerF	7.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		479970.4	3774240	7.24E-07	3YrCancerF	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		478170.4	3774290	1.93E-07	3YrCancerF	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		478220.4	3774290	2.09E-07	3YrCancerF	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		478270.4	3774290	2.26E-07	3YrCancerF	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		478320.4	3774290	2.45E-07	3YrCancerF	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		478370.4	3774290	2.67E-07	3YrCancerF	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		478420.4	3774290	2.93E-07	3YrCancerF	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		478470.4	3774290	3.22E-07	3YrCancerF	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		478520.4	3774290	3.58E-07	3YrCancerF	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

43	ALL	478570.4	3774290	3.99E-07	3YrCancerF	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL	479170.4	3774290	3.36E-06	3YrCancerF	3.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL	479220.4	3774290	3.78E-06	3YrCancerF	3.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	479270.4	3774290	3.84E-06	3YrCancerF	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	479320.4	3774290	3.54E-06	3YrCancerF	3.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	479370.4	3774290	3.00E-06	3YrCancerF	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	479420.4	3774290	2.47E-06	3YrCancerF	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	479470.4	3774290	2.04E-06	3YrCancerF	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	479520.4	3774290	1.71E-06	3YrCancerF	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	479570.4	3774290	1.45E-06	3YrCancerF	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	479620.4	3774290	1.25E-06	3YrCancerF	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	479670.4	3774290	1.09E-06	3YrCancerF	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	479720.4	3774290	9.52E-07	3YrCancerF	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	479770.4	3774290	8.50E-07	3YrCancerF	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	479820.4	3774290	7.66E-07	3YrCancerF	7.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	479870.4	3774290	6.96E-07	3YrCancerF	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	479920.4	3774290	6.53E-07	3YrCancerF	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	479970.4	3774290	6.22E-07	3YrCancerF	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	478170.4	3774340	1.87E-07	3YrCancerF	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	478220.4	3774340	2.02E-07	3YrCancerF	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	478270.4	3774340	2.18E-07	3YrCancerF	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	478320.4	3774340	2.36E-07	3YrCancerF	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	478370.4	3774340	2.57E-07	3YrCancerF	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	478420.4	3774340	2.81E-07	3YrCancerF	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	478470.4	3774340	3.08E-07	3YrCancerF	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	478520.4	3774340	3.40E-07	3YrCancerF	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	478570.4	3774340	3.78E-07	3YrCancerF	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	479170.4	3774340	2.27E-06	3YrCancerF	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	479220.4	3774340	2.45E-06	3YrCancerF	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	479270.4	3774340	2.47E-06	3YrCancerF	2.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	479320.4	3774340	2.33E-06	3YrCancerF	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	479370.4	3774340	2.08E-06	3YrCancerF	2.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	479420.4	3774340	1.80E-06	3YrCancerF	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	479470.4	3774340	1.54E-06	3YrCancerF	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	479520.4	3774340	1.33E-06	3YrCancerF	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	479570.4	3774340	1.16E-06	3YrCancerF	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	479620.4	3774340	1.01E-06	3YrCancerF	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	479670.4	3774340	8.98E-07	3YrCancerF	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	479720.4	3774340	7.75E-07	3YrCancerF	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	479770.4	3774340	7.04E-07	3YrCancerF	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	479820.4	3774340	6.38E-07	3YrCancerF	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	479870.4	3774340	5.83E-07	3YrCancerF	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	479920.4	3774340	5.39E-07	3YrCancerF	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	479970.4	3774340	5.06E-07	3YrCancerF	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

87	ALL	478170.4	3774390	1.82E-07	3YrCancerF	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	478220.4	3774390	1.95E-07	3YrCancerF	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	478270.4	3774390	2.10E-07	3YrCancerF	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	478320.4	3774390	2.27E-07	3YrCancerF	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	478370.4	3774390	2.47E-07	3YrCancerF	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	478420.4	3774390	2.69E-07	3YrCancerF	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	478470.4	3774390	2.94E-07	3YrCancerF	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	478520.4	3774390	3.24E-07	3YrCancerF	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	478570.4	3774390	3.57E-07	3YrCancerF	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	479170.4	3774390	1.65E-06	3YrCancerF	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	479220.4	3774390	1.74E-06	3YrCancerF	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	479270.4	3774390	1.75E-06	3YrCancerF	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	479320.4	3774390	1.68E-06	3YrCancerF	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	479370.4	3774390	1.54E-06	3YrCancerF	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	479420.4	3774390	1.38E-06	3YrCancerF	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	479470.4	3774390	1.22E-06	3YrCancerF	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	479520.4	3774390	1.07E-06	3YrCancerF	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	479570.4	3774390	9.47E-07	3YrCancerF	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	479620.4	3774390	8.41E-07	3YrCancerF	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	479670.4	3774390	7.18E-07	3YrCancerF	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	479720.4	3774390	6.40E-07	3YrCancerF	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	479770.4	3774390	5.85E-07	3YrCancerF	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	479820.4	3774390	5.19E-07	3YrCancerF	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	479870.4	3774390	4.71E-07	3YrCancerF	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	479920.4	3774390	4.41E-07	3YrCancerF	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	479970.4	3774390	4.11E-07	3YrCancerF	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	478170.4	3774440	1.76E-07	3YrCancerF	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	478220.4	3774440	1.88E-07	3YrCancerF	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	478270.4	3774440	2.03E-07	3YrCancerF	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	478320.4	3774440	2.19E-07	3YrCancerF	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	478370.4	3774440	2.37E-07	3YrCancerF	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	478420.4	3774440	2.57E-07	3YrCancerF	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	478470.4	3774440	2.80E-07	3YrCancerF	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	478520.4	3774440	3.07E-07	3YrCancerF	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	478570.4	3774440	3.37E-07	3YrCancerF	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	478620.4	3774440	3.73E-07	3YrCancerF	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	478670.4	3774440	4.14E-07	3YrCancerF	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	478720.4	3774440	4.61E-07	3YrCancerF	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	478770.4	3774440	5.17E-07	3YrCancerF	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	478820.4	3774440	5.83E-07	3YrCancerF	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	479320.4	3774440	1.27E-06	3YrCancerF	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	479370.4	3774440	1.19E-06	3YrCancerF	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	479420.4	3774440	1.10E-06	3YrCancerF	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	479470.4	3774440	9.90E-07	3YrCancerF	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

131	ALL	479520.4	3774440	8.89E-07	3YrCancerF	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	479570.4	3774440	7.97E-07	3YrCancerF	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	479620.4	3774440	7.16E-07	3YrCancerF	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	479670.4	3774440	6.11E-07	3YrCancerF	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	479720.4	3774440	5.46E-07	3YrCancerF	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	479770.4	3774440	5.01E-07	3YrCancerF	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	479820.4	3774440	4.29E-07	3YrCancerF	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	479870.4	3774440	3.96E-07	3YrCancerF	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	479920.4	3774440	3.61E-07	3YrCancerF	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	479970.4	3774440	3.42E-07	3YrCancerF	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	478170.4	3774490	1.70E-07	3YrCancerF	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	478220.4	3774490	1.82E-07	3YrCancerF	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	478270.4	3774490	1.95E-07	3YrCancerF	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	478320.4	3774490	2.10E-07	3YrCancerF	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	478370.4	3774490	2.27E-07	3YrCancerF	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	478420.4	3774490	2.46E-07	3YrCancerF	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	478470.4	3774490	2.67E-07	3YrCancerF	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	478520.4	3774490	2.91E-07	3YrCancerF	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	478570.4	3774490	3.18E-07	3YrCancerF	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	478620.4	3774490	3.50E-07	3YrCancerF	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	478670.4	3774490	3.85E-07	3YrCancerF	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	478720.4	3774490	4.26E-07	3YrCancerF	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	478749.3	3774488	4.53E-07	3YrCancerF	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	478820.4	3774490	5.26E-07	3YrCancerF	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	479370.4	3774490	9.56E-07	3YrCancerF	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	479420.4	3774490	8.93E-07	3YrCancerF	8.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	479470.4	3774490	8.22E-07	3YrCancerF	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	479520.4	3774490	7.51E-07	3YrCancerF	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	479570.4	3774490	6.82E-07	3YrCancerF	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	479620.4	3774490	6.00E-07	3YrCancerF	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	479670.4	3774490	5.23E-07	3YrCancerF	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	479720.4	3774490	4.76E-07	3YrCancerF	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	479770.4	3774490	4.16E-07	3YrCancerF	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	479820.4	3774490	3.65E-07	3YrCancerF	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	479870.4	3774490	3.33E-07	3YrCancerF	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	479920.4	3774490	3.09E-07	3YrCancerF	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	479970.4	3774490	2.93E-07	3YrCancerF	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	478170.4	3774540	1.65E-07	3YrCancerF	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	478220.4	3774540	1.76E-07	3YrCancerF	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	478270.4	3774540	1.88E-07	3YrCancerF	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	478320.4	3774540	2.02E-07	3YrCancerF	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	478370.4	3774540	2.17E-07	3YrCancerF	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	478420.4	3774540	2.34E-07	3YrCancerF	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	478470.4	3774540	2.54E-07	3YrCancerF	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

175	ALL	478520.4	3774540	2.75E-07	3YrCancerF	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	478570.4	3774540	2.99E-07	3YrCancerF	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	478620.4	3774540	3.27E-07	3YrCancerF	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	478670.4	3774540	3.58E-07	3YrCancerF	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	478720.4	3774540	3.92E-07	3YrCancerF	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	478764.9	3774551	4.18E-07	3YrCancerF	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	478807.5	3774552	4.51E-07	3YrCancerF	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	479370.4	3774540	7.84E-07	3YrCancerF	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	479420.4	3774540	7.42E-07	3YrCancerF	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	479470.4	3774540	6.93E-07	3YrCancerF	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	479520.4	3774540	6.42E-07	3YrCancerF	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	479570.4	3774540	5.91E-07	3YrCancerF	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	479620.4	3774540	5.25E-07	3YrCancerF	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	479670.4	3774540	4.57E-07	3YrCancerF	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	479720.4	3774540	4.21E-07	3YrCancerF	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	479770.4	3774540	3.59E-07	3YrCancerF	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	479820.4	3774540	3.22E-07	3YrCancerF	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	479870.4	3774540	2.93E-07	3YrCancerF	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	479920.4	3774540	2.72E-07	3YrCancerF	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	479970.4	3774540	2.57E-07	3YrCancerF	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	478170.4	3774590	1.59E-07	3YrCancerF	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	478220.4	3774590	1.70E-07	3YrCancerF	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	478270.4	3774590	1.81E-07	3YrCancerF	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	478320.4	3774590	1.94E-07	3YrCancerF	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	478370.4	3774590	2.08E-07	3YrCancerF	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	478420.4	3774590	2.23E-07	3YrCancerF	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	478470.4	3774590	2.41E-07	3YrCancerF	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	478520.4	3774590	2.60E-07	3YrCancerF	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	478570.4	3774590	2.82E-07	3YrCancerF	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	478620.4	3774590	3.06E-07	3YrCancerF	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	478670.4	3774590	3.32E-07	3YrCancerF	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	478720.4	3774590	3.61E-07	3YrCancerF	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	478776.3	3774603	3.88E-07	3YrCancerF	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	478804.3	3774604	4.05E-07	3YrCancerF	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	479370.4	3774590	6.57E-07	3YrCancerF	6.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	479420.4	3774590	6.27E-07	3YrCancerF	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	479470.4	3774590	5.93E-07	3YrCancerF	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	479520.4	3774590	5.56E-07	3YrCancerF	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	479570.4	3774590	5.17E-07	3YrCancerF	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	479620.4	3774590	4.63E-07	3YrCancerF	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	479670.4	3774590	4.06E-07	3YrCancerF	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	479720.4	3774590	3.55E-07	3YrCancerF	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	479770.4	3774590	3.09E-07	3YrCancerF	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	479820.4	3774590	2.90E-07	3YrCancerF	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

219	ALL	479870.4	3774590	2.63E-07	3YrCancerF	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	479920.4	3774590	2.44E-07	3YrCancerF	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	479970.4	3774590	2.27E-07	3YrCancerF	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	478170.4	3774640	1.54E-07	3YrCancerF	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	478220.4	3774640	1.63E-07	3YrCancerF	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	478270.4	3774640	1.74E-07	3YrCancerF	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	478320.4	3774640	1.86E-07	3YrCancerF	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	478370.4	3774640	1.99E-07	3YrCancerF	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	478420.4	3774640	2.13E-07	3YrCancerF	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	478470.4	3774640	2.29E-07	3YrCancerF	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	478520.4	3774640	2.46E-07	3YrCancerF	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	478570.4	3774640	2.65E-07	3YrCancerF	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	478620.4	3774640	2.85E-07	3YrCancerF	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	478670.4	3774640	3.08E-07	3YrCancerF	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	478720.4	3774640	3.33E-07	3YrCancerF	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	478770.4	3774640	3.59E-07	3YrCancerF	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	478820.4	3774640	3.87E-07	3YrCancerF	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	478870.4	3774640	4.17E-07	3YrCancerF	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	479370.4	3774640	5.59E-07	3YrCancerF	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	479420.4	3774640	5.38E-07	3YrCancerF	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	479470.4	3774640	5.13E-07	3YrCancerF	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	479520.4	3774640	4.85E-07	3YrCancerF	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	479570.4	3774640	4.56E-07	3YrCancerF	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	479620.4	3774640	3.96E-07	3YrCancerF	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	479670.4	3774640	3.63E-07	3YrCancerF	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	479720.4	3774640	3.14E-07	3YrCancerF	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	479770.4	3774640	2.79E-07	3YrCancerF	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	479820.4	3774640	2.62E-07	3YrCancerF	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	479870.4	3774640	2.35E-07	3YrCancerF	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	479920.4	3774640	2.22E-07	3YrCancerF	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	479970.4	3774640	2.07E-07	3YrCancerF	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	478170.4	3774690	1.48E-07	3YrCancerF	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	478220.4	3774690	1.57E-07	3YrCancerF	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	478270.4	3774690	1.67E-07	3YrCancerF	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	478320.4	3774690	1.78E-07	3YrCancerF	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	478370.4	3774690	1.90E-07	3YrCancerF	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	478420.4	3774690	2.02E-07	3YrCancerF	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	478470.4	3774690	2.16E-07	3YrCancerF	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	478520.4	3774690	2.32E-07	3YrCancerF	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	478570.4	3774690	2.48E-07	3YrCancerF	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	478620.4	3774690	2.66E-07	3YrCancerF	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	478670.4	3774690	2.86E-07	3YrCancerF	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	478720.4	3774690	3.07E-07	3YrCancerF	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	478770.4	3774690	3.28E-07	3YrCancerF	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

263	ALL	478820.4	3774690	3.52E-07	3YrCancerF	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	478868.7	3774701	3.66E-07	3YrCancerF	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	478861.3	3774671	3.86E-07	3YrCancerF	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	479026.6	3774722	4.12E-07	3YrCancerF	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	479059.1	3774697	4.52E-07	3YrCancerF	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	479113.7	3774695	4.72E-07	3YrCancerF	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	479370.4	3774690	4.82E-07	3YrCancerF	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	479420.4	3774690	4.67E-07	3YrCancerF	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	479470.4	3774690	4.49E-07	3YrCancerF	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	479520.4	3774690	4.27E-07	3YrCancerF	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	479570.4	3774690	3.87E-07	3YrCancerF	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	479620.4	3774690	3.46E-07	3YrCancerF	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	479670.4	3774690	3.27E-07	3YrCancerF	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	479720.4	3774690	2.76E-07	3YrCancerF	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	479770.4	3774690	2.54E-07	3YrCancerF	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	479820.4	3774690	2.29E-07	3YrCancerF	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	479870.4	3774690	2.15E-07	3YrCancerF	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	479920.4	3774690	2.03E-07	3YrCancerF	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	479970.4	3774690	1.89E-07	3YrCancerF	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	478170.4	3774740	1.43E-07	3YrCancerF	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	478220.4	3774740	1.51E-07	3YrCancerF	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	478270.4	3774740	1.60E-07	3YrCancerF	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	478320.4	3774740	1.70E-07	3YrCancerF	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	478370.4	3774740	1.81E-07	3YrCancerF	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	478420.4	3774740	1.92E-07	3YrCancerF	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	478470.4	3774740	2.05E-07	3YrCancerF	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	478520.4	3774740	2.18E-07	3YrCancerF	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	478570.4	3774740	2.33E-07	3YrCancerF	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	478620.4	3774740	2.48E-07	3YrCancerF	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	478670.4	3774740	2.65E-07	3YrCancerF	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	478720.4	3774740	2.83E-07	3YrCancerF	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	478770.4	3774740	3.01E-07	3YrCancerF	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	478820.4	3774740	3.20E-07	3YrCancerF	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	478863	3774730	3.43E-07	3YrCancerF	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	479020.4	3774740	3.93E-07	3YrCancerF	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	479070.4	3774740	4.08E-07	3YrCancerF	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	479120.4	3774740	4.20E-07	3YrCancerF	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	479370.4	3774740	4.21E-07	3YrCancerF	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	479420.4	3774740	4.10E-07	3YrCancerF	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	479470.4	3774740	3.96E-07	3YrCancerF	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	479520.4	3774740	3.79E-07	3YrCancerF	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	479570.4	3774740	3.41E-07	3YrCancerF	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	479620.4	3774740	3.11E-07	3YrCancerF	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	479670.4	3774740	2.95E-07	3YrCancerF	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

307	ALL	479720.4	3774740	2.44E-07	3YrCancerF	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	479770.4	3774740	2.25E-07	3YrCancerF	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	479820.4	3774740	2.08E-07	3YrCancerF	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	479870.4	3774740	1.97E-07	3YrCancerF	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	479920.4	3774740	1.87E-07	3YrCancerF	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	479970.4	3774740	1.74E-07	3YrCancerF	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	478170.4	3774790	1.38E-07	3YrCancerF	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	478220.4	3774790	1.45E-07	3YrCancerF	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	478270.4	3774790	1.54E-07	3YrCancerF	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	478320.4	3774790	1.63E-07	3YrCancerF	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	478370.4	3774790	1.72E-07	3YrCancerF	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	478420.4	3774790	1.83E-07	3YrCancerF	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	478470.4	3774790	1.94E-07	3YrCancerF	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	478520.4	3774790	2.06E-07	3YrCancerF	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	478570.4	3774790	2.19E-07	3YrCancerF	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	478620.4	3774790	2.32E-07	3YrCancerF	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	478670.4	3774790	2.46E-07	3YrCancerF	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	478720.4	3774790	2.61E-07	3YrCancerF	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	478770.4	3774790	2.76E-07	3YrCancerF	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	478820.4	3774790	2.92E-07	3YrCancerF	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	478870.4	3774790	3.08E-07	3YrCancerF	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	478920.4	3774790	3.23E-07	3YrCancerF	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	478970.4	3774790	3.37E-07	3YrCancerF	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	479020.4	3774790	3.50E-07	3YrCancerF	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	479070.4	3774790	3.62E-07	3YrCancerF	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	479120.4	3774790	3.71E-07	3YrCancerF	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	479370.4	3774790	3.72E-07	3YrCancerF	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	479420.4	3774790	3.63E-07	3YrCancerF	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	479470.4	3774790	3.52E-07	3YrCancerF	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	479520.4	3774790	3.39E-07	3YrCancerF	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	479570.4	3774790	2.98E-07	3YrCancerF	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	479620.4	3774790	2.81E-07	3YrCancerF	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	479670.4	3774790	2.68E-07	3YrCancerF	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	479720.4	3774790	2.22E-07	3YrCancerF	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	479770.4	3774790	2.06E-07	3YrCancerF	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	479820.4	3774790	1.91E-07	3YrCancerF	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	479870.4	3774790	1.82E-07	3YrCancerF	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	479920.4	3774790	1.70E-07	3YrCancerF	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	479970.4	3774790	1.61E-07	3YrCancerF	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	477970.4	3774840	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	478020.4	3774840	1.14E-07	3YrCancerF	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	478070.4	3774840	1.20E-07	3YrCancerF	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	478120.4	3774840	1.26E-07	3YrCancerF	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	478170.4	3774840	1.33E-07	3YrCancerF	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

351	ALL	478220.4	3774840	1.40E-07	3YrCancerF	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	478270.4	3774840	1.48E-07	3YrCancerF	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	478320.4	3774840	1.56E-07	3YrCancerF	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	478370.4	3774840	1.64E-07	3YrCancerF	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	478420.4	3774840	1.74E-07	3YrCancerF	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	478470.4	3774840	1.83E-07	3YrCancerF	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	478520.4	3774840	1.94E-07	3YrCancerF	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	478570.4	3774840	2.05E-07	3YrCancerF	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	478620.4	3774840	2.17E-07	3YrCancerF	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	478670.4	3774840	2.29E-07	3YrCancerF	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	478720.4	3774840	2.41E-07	3YrCancerF	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	478770.4	3774840	2.54E-07	3YrCancerF	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	478820.4	3774840	2.67E-07	3YrCancerF	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	478870.4	3774840	2.80E-07	3YrCancerF	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	478920.4	3774840	2.92E-07	3YrCancerF	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	478970.4	3774840	3.04E-07	3YrCancerF	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	479020.4	3774840	3.14E-07	3YrCancerF	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	479070.4	3774840	3.23E-07	3YrCancerF	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	479120.4	3774840	3.30E-07	3YrCancerF	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	479170.4	3774840	3.35E-07	3YrCancerF	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	479220.4	3774840	3.38E-07	3YrCancerF	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	479270.4	3774840	3.38E-07	3YrCancerF	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	479320.4	3774840	3.35E-07	3YrCancerF	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	479370.4	3774840	3.31E-07	3YrCancerF	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	479420.4	3774840	3.24E-07	3YrCancerF	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	479470.4	3774840	3.15E-07	3YrCancerF	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	479520.4	3774840	2.87E-07	3YrCancerF	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	479570.4	3774840	2.65E-07	3YrCancerF	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	479620.4	3774840	2.55E-07	3YrCancerF	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	479670.4	3774840	2.18E-07	3YrCancerF	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	479720.4	3774840	2.03E-07	3YrCancerF	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	479770.4	3774840	1.89E-07	3YrCancerF	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	479820.4	3774840	1.76E-07	3YrCancerF	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	479870.4	3774840	1.68E-07	3YrCancerF	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	479920.4	3774840	1.57E-07	3YrCancerF	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	479970.4	3774840	1.50E-07	3YrCancerF	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	477970.4	3774890	1.05E-07	3YrCancerF	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	478020.4	3774890	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	478070.4	3774890	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	478120.4	3774890	1.22E-07	3YrCancerF	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	478170.4	3774890	1.28E-07	3YrCancerF	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	478220.4	3774890	1.34E-07	3YrCancerF	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	478270.4	3774890	1.41E-07	3YrCancerF	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	478320.4	3774890	1.49E-07	3YrCancerF	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

395	ALL	478370.4	3774890	1.56E-07	3YrCancerF	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	478420.4	3774890	1.65E-07	3YrCancerF	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	478470.4	3774890	1.74E-07	3YrCancerF	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	478520.4	3774890	1.83E-07	3YrCancerF	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	478570.4	3774890	1.93E-07	3YrCancerF	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	478620.4	3774890	2.03E-07	3YrCancerF	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	478670.4	3774890	2.13E-07	3YrCancerF	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	478720.4	3774890	2.24E-07	3YrCancerF	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	478770.4	3774890	2.35E-07	3YrCancerF	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	478820.4	3774890	2.45E-07	3YrCancerF	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	478870.4	3774890	2.56E-07	3YrCancerF	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	478920.4	3774890	2.66E-07	3YrCancerF	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	478970.4	3774890	2.75E-07	3YrCancerF	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	479020.4	3774890	2.83E-07	3YrCancerF	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	479070.4	3774890	2.91E-07	3YrCancerF	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	479120.4	3774890	2.96E-07	3YrCancerF	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	479170.4	3774890	3.00E-07	3YrCancerF	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	479220.4	3774890	3.02E-07	3YrCancerF	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	479270.4	3774890	3.02E-07	3YrCancerF	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	479320.4	3774890	3.00E-07	3YrCancerF	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	479370.4	3774890	2.96E-07	3YrCancerF	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	479420.4	3774890	2.91E-07	3YrCancerF	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	479470.4	3774890	2.84E-07	3YrCancerF	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	479520.4	3774890	2.56E-07	3YrCancerF	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	479570.4	3774890	2.40E-07	3YrCancerF	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	479620.4	3774890	2.32E-07	3YrCancerF	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	479670.4	3774890	1.99E-07	3YrCancerF	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	479720.4	3774890	1.87E-07	3YrCancerF	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	479770.4	3774890	1.75E-07	3YrCancerF	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	479820.4	3774890	1.63E-07	3YrCancerF	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	479870.4	3774890	1.56E-07	3YrCancerF	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	479920.4	3774890	1.46E-07	3YrCancerF	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	479970.4	3774890	1.40E-07	3YrCancerF	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	477970.4	3774940	1.02E-07	3YrCancerF	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	478020.4	3774940	1.07E-07	3YrCancerF	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	478070.4	3774940	1.12E-07	3YrCancerF	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	478120.4	3774940	1.17E-07	3YrCancerF	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	478170.4	3774940	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	478220.4	3774940	1.29E-07	3YrCancerF	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	478270.4	3774940	1.35E-07	3YrCancerF	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	478320.4	3774940	1.42E-07	3YrCancerF	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	478370.4	3774940	1.49E-07	3YrCancerF	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	478420.4	3774940	1.57E-07	3YrCancerF	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	478470.4	3774940	1.64E-07	3YrCancerF	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

439	ALL	478520.4	3774940	1.72E-07	3YrCancerF	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	478570.4	3774940	1.81E-07	3YrCancerF	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	478620.4	3774940	1.90E-07	3YrCancerF	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	478670.4	3774940	1.99E-07	3YrCancerF	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	478720.4	3774940	2.08E-07	3YrCancerF	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	478770.4	3774940	2.17E-07	3YrCancerF	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	478820.4	3774940	2.26E-07	3YrCancerF	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	478870.4	3774940	2.35E-07	3YrCancerF	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	478920.4	3774940	2.43E-07	3YrCancerF	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	478970.4	3774940	2.50E-07	3YrCancerF	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	479020.4	3774940	2.57E-07	3YrCancerF	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	479070.4	3774940	2.63E-07	3YrCancerF	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	479120.4	3774940	2.67E-07	3YrCancerF	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	479170.4	3774940	2.70E-07	3YrCancerF	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	479220.4	3774940	2.72E-07	3YrCancerF	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	479270.4	3774940	2.72E-07	3YrCancerF	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	479320.4	3774940	2.71E-07	3YrCancerF	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	479370.4	3774940	2.68E-07	3YrCancerF	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	479420.4	3774940	2.63E-07	3YrCancerF	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	479470.4	3774940	2.58E-07	3YrCancerF	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	479520.4	3774940	2.32E-07	3YrCancerF	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	479570.4	3774940	2.19E-07	3YrCancerF	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	479620.4	3774940	2.12E-07	3YrCancerF	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	479670.4	3774940	1.83E-07	3YrCancerF	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	479720.4	3774940	1.72E-07	3YrCancerF	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	479770.4	3774940	1.58E-07	3YrCancerF	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	479820.4	3774940	1.51E-07	3YrCancerF	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	479870.4	3774940	1.45E-07	3YrCancerF	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	479920.4	3774940	1.36E-07	3YrCancerF	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	479970.4	3774940	1.31E-07	3YrCancerF	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	477970.4	3774990	9.90E-08	3YrCancerF	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	478020.4	3774990	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	478070.4	3774990	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	478120.4	3774990	1.13E-07	3YrCancerF	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	478170.4	3774990	1.18E-07	3YrCancerF	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	478220.4	3774990	1.24E-07	3YrCancerF	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	478270.4	3774990	1.29E-07	3YrCancerF	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	478320.4	3774990	1.35E-07	3YrCancerF	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	478370.4	3774990	1.42E-07	3YrCancerF	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	478420.4	3774990	1.49E-07	3YrCancerF	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	478470.4	3774990	1.55E-07	3YrCancerF	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	478520.4	3774990	1.63E-07	3YrCancerF	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	478570.4	3774990	1.70E-07	3YrCancerF	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	478620.4	3774990	1.78E-07	3YrCancerF	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

483	ALL	478670.4	3774990	1.85E-07	3YrCancerF	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	478720.4	3774990	1.93E-07	3YrCancerF	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	478770.4	3774990	2.01E-07	3YrCancerF	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	478820.4	3774990	2.08E-07	3YrCancerF	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	478870.4	3774990	2.16E-07	3YrCancerF	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	478920.4	3774990	2.23E-07	3YrCancerF	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	478970.4	3774990	2.29E-07	3YrCancerF	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	479020.4	3774990	2.35E-07	3YrCancerF	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	479070.4	3774990	2.39E-07	3YrCancerF	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	479120.4	3774990	2.43E-07	3YrCancerF	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	479170.4	3774990	2.45E-07	3YrCancerF	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	479220.4	3774990	2.47E-07	3YrCancerF	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	479270.4	3774990	2.47E-07	3YrCancerF	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	479320.4	3774990	2.45E-07	3YrCancerF	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	479370.4	3774990	2.43E-07	3YrCancerF	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	479420.4	3774990	2.39E-07	3YrCancerF	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	479470.4	3774990	2.35E-07	3YrCancerF	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	479520.4	3774990	2.12E-07	3YrCancerF	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	479570.4	3774990	2.01E-07	3YrCancerF	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	479620.4	3774990	1.95E-07	3YrCancerF	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	479670.4	3774990	1.68E-07	3YrCancerF	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	479720.4	3774990	1.59E-07	3YrCancerF	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	479770.4	3774990	1.47E-07	3YrCancerF	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	479820.4	3774990	1.40E-07	3YrCancerF	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	479870.4	3774990	1.36E-07	3YrCancerF	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	479920.4	3774990	1.27E-07	3YrCancerF	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	479970.4	3774990	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	477970.4	3775040	9.59E-08	3YrCancerF	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	478020.4	3775040	1.00E-07	3YrCancerF	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	478070.4	3775040	1.04E-07	3YrCancerF	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	478120.4	3775040	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	478170.4	3775040	1.14E-07	3YrCancerF	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	478220.4	3775040	1.19E-07	3YrCancerF	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	478270.4	3775040	1.24E-07	3YrCancerF	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	478320.4	3775040	1.29E-07	3YrCancerF	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	478370.4	3775040	1.35E-07	3YrCancerF	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	478420.4	3775040	1.41E-07	3YrCancerF	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	478470.4	3775040	1.47E-07	3YrCancerF	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	478520.4	3775040	1.54E-07	3YrCancerF	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	478570.4	3775040	1.60E-07	3YrCancerF	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	478620.4	3775040	1.67E-07	3YrCancerF	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	478670.4	3775040	1.73E-07	3YrCancerF	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	478720.4	3775040	1.80E-07	3YrCancerF	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	478770.4	3775040	1.87E-07	3YrCancerF	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

527	ALL	478820.4	3775040	1.93E-07	3YrCancerF	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	478870.4	3775040	1.99E-07	3YrCancerF	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	478920.4	3775040	2.05E-07	3YrCancerF	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	478970.4	3775040	2.10E-07	3YrCancerF	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	479020.4	3775040	2.15E-07	3YrCancerF	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	479070.4	3775040	2.19E-07	3YrCancerF	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	479120.4	3775040	2.22E-07	3YrCancerF	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	479170.4	3775040	2.24E-07	3YrCancerF	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	479220.4	3775040	2.25E-07	3YrCancerF	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	479270.4	3775040	2.25E-07	3YrCancerF	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	479320.4	3775040	2.24E-07	3YrCancerF	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	479370.4	3775040	2.22E-07	3YrCancerF	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	479420.4	3775040	2.19E-07	3YrCancerF	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	479470.4	3775040	2.15E-07	3YrCancerF	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	479520.4	3775040	2.11E-07	3YrCancerF	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	479570.4	3775040	1.87E-07	3YrCancerF	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	479620.4	3775040	1.80E-07	3YrCancerF	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	479670.4	3775040	1.56E-07	3YrCancerF	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	479720.4	3775040	1.47E-07	3YrCancerF	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	479770.4	3775040	1.39E-07	3YrCancerF	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	479820.4	3775040	1.31E-07	3YrCancerF	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	479870.4	3775040	1.27E-07	3YrCancerF	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	479920.4	3775040	1.19E-07	3YrCancerF	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	479970.4	3775040	1.15E-07	3YrCancerF	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	477970.4	3775090	9.29E-08	3YrCancerF	9.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	478020.4	3775090	9.66E-08	3YrCancerF	9.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	478070.4	3775090	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	478120.4	3775090	1.05E-07	3YrCancerF	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	478170.4	3775090	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	478220.4	3775090	1.14E-07	3YrCancerF	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	478270.4	3775090	1.19E-07	3YrCancerF	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	478320.4	3775090	1.24E-07	3YrCancerF	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	478370.4	3775090	1.29E-07	3YrCancerF	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	478420.4	3775090	1.34E-07	3YrCancerF	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	478470.4	3775090	1.39E-07	3YrCancerF	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	478520.4	3775090	1.45E-07	3YrCancerF	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	478570.4	3775090	1.51E-07	3YrCancerF	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	478620.4	3775090	1.57E-07	3YrCancerF	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	478670.4	3775090	1.63E-07	3YrCancerF	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	478720.4	3775090	1.68E-07	3YrCancerF	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	478770.4	3775090	1.74E-07	3YrCancerF	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	478820.4	3775090	1.79E-07	3YrCancerF	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	478870.4	3775090	1.85E-07	3YrCancerF	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	478920.4	3775090	1.90E-07	3YrCancerF	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

571	ALL	478970.4	3775090	1.94E-07	3YrCancerF	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	479020.4	3775090	1.98E-07	3YrCancerF	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	479070.4	3775090	2.01E-07	3YrCancerF	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	479120.4	3775090	2.03E-07	3YrCancerF	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	479170.4	3775090	2.05E-07	3YrCancerF	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	479220.4	3775090	2.06E-07	3YrCancerF	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	479270.4	3775090	2.06E-07	3YrCancerF	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	479320.4	3775090	2.05E-07	3YrCancerF	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	479370.4	3775090	2.03E-07	3YrCancerF	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	479420.4	3775090	2.01E-07	3YrCancerF	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	479470.4	3775090	1.98E-07	3YrCancerF	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	479520.4	3775090	1.94E-07	3YrCancerF	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	479570.4	3775090	1.78E-07	3YrCancerF	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	479620.4	3775090	1.66E-07	3YrCancerF	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	479670.4	3775090	1.62E-07	3YrCancerF	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	479720.4	3775090	1.37E-07	3YrCancerF	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	479770.4	3775090	1.26E-07	3YrCancerF	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	479820.4	3775090	1.22E-07	3YrCancerF	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	479870.4	3775090	1.18E-07	3YrCancerF	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	479920.4	3775090	1.12E-07	3YrCancerF	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	479970.4	3775090	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	477970.4	3775140	8.99E-08	3YrCancerF	8.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	478020.4	3775140	9.33E-08	3YrCancerF	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	478070.4	3775140	9.70E-08	3YrCancerF	9.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	478120.4	3775140	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	478170.4	3775140	1.05E-07	3YrCancerF	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	478220.4	3775140	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	478270.4	3775140	1.14E-07	3YrCancerF	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	478320.4	3775140	1.18E-07	3YrCancerF	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	478370.4	3775140	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	478420.4	3775140	1.27E-07	3YrCancerF	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	478470.4	3775140	1.32E-07	3YrCancerF	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	478520.4	3775140	1.37E-07	3YrCancerF	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	478570.4	3775140	1.42E-07	3YrCancerF	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	478620.4	3775140	1.48E-07	3YrCancerF	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	478670.4	3775140	1.53E-07	3YrCancerF	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	478720.4	3775140	1.58E-07	3YrCancerF	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	478770.4	3775140	1.62E-07	3YrCancerF	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	478820.4	3775140	1.67E-07	3YrCancerF	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	478870.4	3775140	1.72E-07	3YrCancerF	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	478920.4	3775140	1.76E-07	3YrCancerF	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	478970.4	3775140	1.79E-07	3YrCancerF	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	479020.4	3775140	1.83E-07	3YrCancerF	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	479070.4	3775140	1.85E-07	3YrCancerF	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

615	ALL	479120.4	3775140	1.87E-07	3YrCancerF	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	479170.4	3775140	1.89E-07	3YrCancerF	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	479220.4	3775140	1.89E-07	3YrCancerF	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	479270.4	3775140	1.89E-07	3YrCancerF	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	479320.4	3775140	1.89E-07	3YrCancerF	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	479370.4	3775140	1.87E-07	3YrCancerF	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	479420.4	3775140	1.85E-07	3YrCancerF	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	479470.4	3775140	1.83E-07	3YrCancerF	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	479520.4	3775140	1.80E-07	3YrCancerF	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	479570.4	3775140	1.67E-07	3YrCancerF	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	479620.4	3775140	1.54E-07	3YrCancerF	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	479670.4	3775140	1.51E-07	3YrCancerF	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	479720.4	3775140	1.28E-07	3YrCancerF	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	479770.4	3775140	1.17E-07	3YrCancerF	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	479820.4	3775140	1.14E-07	3YrCancerF	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	479870.4	3775140	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	479920.4	3775140	1.05E-07	3YrCancerF	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	479970.4	3775140	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	477970.4	3775190	8.69E-08	3YrCancerF	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	478020.4	3775190	9.02E-08	3YrCancerF	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	478070.4	3775190	9.36E-08	3YrCancerF	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	478120.4	3775190	9.72E-08	3YrCancerF	9.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	478170.4	3775190	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	478220.4	3775190	1.05E-07	3YrCancerF	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	478270.4	3775190	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	478320.4	3775190	1.13E-07	3YrCancerF	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	478370.4	3775190	1.17E-07	3YrCancerF	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	478420.4	3775190	1.21E-07	3YrCancerF	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	478470.4	3775190	1.26E-07	3YrCancerF	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	478520.4	3775190	1.30E-07	3YrCancerF	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	478570.4	3775190	1.35E-07	3YrCancerF	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	478620.4	3775190	1.39E-07	3YrCancerF	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	478670.4	3775190	1.43E-07	3YrCancerF	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	478720.4	3775190	1.48E-07	3YrCancerF	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	478770.4	3775190	1.52E-07	3YrCancerF	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	478820.4	3775190	1.56E-07	3YrCancerF	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	478870.4	3775190	1.60E-07	3YrCancerF	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	478920.4	3775190	1.63E-07	3YrCancerF	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	478970.4	3775190	1.67E-07	3YrCancerF	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	479020.4	3775190	1.69E-07	3YrCancerF	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	479070.4	3775190	1.72E-07	3YrCancerF	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	479120.4	3775190	1.73E-07	3YrCancerF	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	479170.4	3775190	1.74E-07	3YrCancerF	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	479220.4	3775190	1.75E-07	3YrCancerF	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

659	ALL	479270.4	3775190	1.75E-07	3YrCancerF	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	479320.4	3775190	1.74E-07	3YrCancerF	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	479370.4	3775190	1.73E-07	3YrCancerF	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	479420.4	3775190	1.72E-07	3YrCancerF	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	479470.4	3775190	1.69E-07	3YrCancerF	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	479520.4	3775190	1.67E-07	3YrCancerF	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	479570.4	3775190	1.64E-07	3YrCancerF	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	479620.4	3775190	1.44E-07	3YrCancerF	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	479670.4	3775190	1.41E-07	3YrCancerF	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	479720.4	3775190	1.19E-07	3YrCancerF	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	479770.4	3775190	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	479820.4	3775190	1.07E-07	3YrCancerF	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	479870.4	3775190	1.02E-07	3YrCancerF	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	479920.4	3775190	9.90E-08	3YrCancerF	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	479970.4	3775190	9.48E-08	3YrCancerF	9.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	477970.4	3775240	8.41E-08	3YrCancerF	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	478020.4	3775240	8.71E-08	3YrCancerF	8.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	478070.4	3775240	9.03E-08	3YrCancerF	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	478120.4	3775240	9.36E-08	3YrCancerF	9.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	478170.4	3775240	9.69E-08	3YrCancerF	9.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	478220.4	3775240	1.00E-07	3YrCancerF	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	478270.4	3775240	1.04E-07	3YrCancerF	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	478320.4	3775240	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	478370.4	3775240	1.11E-07	3YrCancerF	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	478420.4	3775240	1.15E-07	3YrCancerF	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	478470.4	3775240	1.19E-07	3YrCancerF	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	478520.4	3775240	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	478570.4	3775240	1.27E-07	3YrCancerF	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	478620.4	3775240	1.31E-07	3YrCancerF	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	478670.4	3775240	1.35E-07	3YrCancerF	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	478720.4	3775240	1.39E-07	3YrCancerF	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	478770.4	3775240	1.42E-07	3YrCancerF	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	478820.4	3775240	1.46E-07	3YrCancerF	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	478870.4	3775240	1.49E-07	3YrCancerF	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	478920.4	3775240	1.52E-07	3YrCancerF	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	478970.4	3775240	1.55E-07	3YrCancerF	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	479020.4	3775240	1.57E-07	3YrCancerF	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	479070.4	3775240	1.59E-07	3YrCancerF	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	479120.4	3775240	1.61E-07	3YrCancerF	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	479170.4	3775240	1.62E-07	3YrCancerF	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	479220.4	3775240	1.62E-07	3YrCancerF	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	479270.4	3775240	1.62E-07	3YrCancerF	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	479320.4	3775240	1.62E-07	3YrCancerF	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	479370.4	3775240	1.61E-07	3YrCancerF	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

703	ALL	479420.4	3775240	1.59E-07	3YrCancerF	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	479470.4	3775240	1.57E-07	3YrCancerF	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	479520.4	3775240	1.55E-07	3YrCancerF	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	479570.4	3775240	1.44E-07	3YrCancerF	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	479620.4	3775240	1.34E-07	3YrCancerF	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	479670.4	3775240	1.18E-07	3YrCancerF	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	479720.4	3775240	1.12E-07	3YrCancerF	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	479770.4	3775240	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	479820.4	3775240	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	479870.4	3775240	9.57E-08	3YrCancerF	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	479920.4	3775240	9.34E-08	3YrCancerF	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	479970.4	3775240	8.95E-08	3YrCancerF	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	477970.4	3775290	8.12E-08	3YrCancerF	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	478020.4	3775290	8.41E-08	3YrCancerF	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	478070.4	3775290	8.71E-08	3YrCancerF	8.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	478120.4	3775290	9.01E-08	3YrCancerF	9.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	478170.4	3775290	9.32E-08	3YrCancerF	9.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	478220.4	3775290	9.63E-08	3YrCancerF	9.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	478270.4	3775290	9.97E-08	3YrCancerF	9.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	478320.4	3775290	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	478370.4	3775290	1.06E-07	3YrCancerF	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	478420.4	3775290	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	478470.4	3775290	1.13E-07	3YrCancerF	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	478520.4	3775290	1.17E-07	3YrCancerF	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	478570.4	3775290	1.20E-07	3YrCancerF	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	478620.4	3775290	1.24E-07	3YrCancerF	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	478670.4	3775290	1.27E-07	3YrCancerF	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	478720.4	3775290	1.31E-07	3YrCancerF	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	478770.4	3775290	1.34E-07	3YrCancerF	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	478820.4	3775290	1.37E-07	3YrCancerF	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	478870.4	3775290	1.40E-07	3YrCancerF	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	478920.4	3775290	1.42E-07	3YrCancerF	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	478970.4	3775290	1.45E-07	3YrCancerF	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	479020.4	3775290	1.47E-07	3YrCancerF	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	479070.4	3775290	1.48E-07	3YrCancerF	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	479120.4	3775290	1.50E-07	3YrCancerF	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	479170.4	3775290	1.51E-07	3YrCancerF	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	479220.4	3775290	1.51E-07	3YrCancerF	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	479270.4	3775290	1.51E-07	3YrCancerF	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	479320.4	3775290	1.51E-07	3YrCancerF	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	479370.4	3775290	1.50E-07	3YrCancerF	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	479420.4	3775290	1.48E-07	3YrCancerF	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	479470.4	3775290	1.47E-07	3YrCancerF	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	479520.4	3775290	1.45E-07	3YrCancerF	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

747	ALL	479570.4	3775290	1.28E-07	3YrCancerF	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	479620.4	3775290	1.26E-07	3YrCancerF	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	479670.4	3775290	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	479720.4	3775290	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	479770.4	3775290	9.70E-08	3YrCancerF	9.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	479820.4	3775290	9.49E-08	3YrCancerF	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	479870.4	3775290	9.03E-08	3YrCancerF	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	479920.4	3775290	8.81E-08	3YrCancerF	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	479970.4	3775290	8.41E-08	3YrCancerF	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	477970.4	3775340	7.86E-08	3YrCancerF	7.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	478020.4	3775340	8.13E-08	3YrCancerF	8.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	478070.4	3775340	8.39E-08	3YrCancerF	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	478120.4	3775340	8.68E-08	3YrCancerF	8.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	478170.4	3775340	8.96E-08	3YrCancerF	8.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	478220.4	3775340	9.25E-08	3YrCancerF	9.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	478270.4	3775340	9.55E-08	3YrCancerF	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	478320.4	3775340	9.85E-08	3YrCancerF	9.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	478370.4	3775340	1.02E-07	3YrCancerF	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	478420.4	3775340	1.05E-07	3YrCancerF	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	478470.4	3775340	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	478520.4	3775340	1.11E-07	3YrCancerF	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	478570.4	3775340	1.14E-07	3YrCancerF	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	478620.4	3775340	1.17E-07	3YrCancerF	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	478670.4	3775340	1.20E-07	3YrCancerF	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	478720.4	3775340	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	478770.4	3775340	1.26E-07	3YrCancerF	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	478820.4	3775340	1.29E-07	3YrCancerF	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	478870.4	3775340	1.31E-07	3YrCancerF	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	478920.4	3775340	1.34E-07	3YrCancerF	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	478970.4	3775340	1.36E-07	3YrCancerF	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	479020.4	3775340	1.37E-07	3YrCancerF	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	479070.4	3775340	1.39E-07	3YrCancerF	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	479120.4	3775340	1.40E-07	3YrCancerF	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	479170.4	3775340	1.41E-07	3YrCancerF	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	479220.4	3775340	1.41E-07	3YrCancerF	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	479270.4	3775340	1.41E-07	3YrCancerF	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	479320.4	3775340	1.41E-07	3YrCancerF	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	479370.4	3775340	1.40E-07	3YrCancerF	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	479420.4	3775340	1.39E-07	3YrCancerF	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	479470.4	3775340	1.37E-07	3YrCancerF	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	479520.4	3775340	1.36E-07	3YrCancerF	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	479570.4	3775340	1.20E-07	3YrCancerF	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	479620.4	3775340	1.18E-07	3YrCancerF	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	479670.4	3775340	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

791	ALL	479720.4	3775340	9.50E-08	3YrCancerF	9.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	479770.4	3775340	9.14E-08	3YrCancerF	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	479820.4	3775340	8.95E-08	3YrCancerF	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	479870.4	3775340	8.53E-08	3YrCancerF	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	479920.4	3775340	8.34E-08	3YrCancerF	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	479970.4	3775340	7.96E-08	3YrCancerF	7.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	477970.4	3775390	7.60E-08	3YrCancerF	7.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	478020.4	3775390	7.85E-08	3YrCancerF	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	478070.4	3775390	8.09E-08	3YrCancerF	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	478120.4	3775390	8.36E-08	3YrCancerF	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	478170.4	3775390	8.62E-08	3YrCancerF	8.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	478220.4	3775390	8.88E-08	3YrCancerF	8.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	478270.4	3775390	9.15E-08	3YrCancerF	9.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	478320.4	3775390	9.43E-08	3YrCancerF	9.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	478370.4	3775390	9.71E-08	3YrCancerF	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	478420.4	3775390	1.00E-07	3YrCancerF	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	478470.4	3775390	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	478520.4	3775390	1.06E-07	3YrCancerF	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	478570.4	3775390	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	478620.4	3775390	1.11E-07	3YrCancerF	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	478670.4	3775390	1.14E-07	3YrCancerF	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	478720.4	3775390	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	478770.4	3775390	1.19E-07	3YrCancerF	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	478820.4	3775390	1.21E-07	3YrCancerF	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	478870.4	3775390	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	478920.4	3775390	1.25E-07	3YrCancerF	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	478970.4	3775390	1.27E-07	3YrCancerF	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	479020.4	3775390	1.29E-07	3YrCancerF	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	479070.4	3775390	1.30E-07	3YrCancerF	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	479120.4	3775390	1.31E-07	3YrCancerF	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	479170.4	3775390	1.32E-07	3YrCancerF	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	479220.4	3775390	1.32E-07	3YrCancerF	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	479270.4	3775390	1.32E-07	3YrCancerF	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	479320.4	3775390	1.32E-07	3YrCancerF	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	479370.4	3775390	1.31E-07	3YrCancerF	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	479420.4	3775390	1.30E-07	3YrCancerF	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	479470.4	3775390	1.29E-07	3YrCancerF	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	479520.4	3775390	1.27E-07	3YrCancerF	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	479570.4	3775390	1.17E-07	3YrCancerF	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	479620.4	3775390	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	479670.4	3775390	9.57E-08	3YrCancerF	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	479720.4	3775390	8.95E-08	3YrCancerF	8.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	479770.4	3775390	8.62E-08	3YrCancerF	8.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	479820.4	3775390	8.33E-08	3YrCancerF	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

835	ALL	479870.4	3775390	8.07E-08	3YrCancerF	8.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	479920.4	3775390	7.75E-08	3YrCancerF	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	479970.4	3775390	7.55E-08	3YrCancerF	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	477970.4	3775440	7.35E-08	3YrCancerF	7.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	478020.4	3775440	7.58E-08	3YrCancerF	7.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	478070.4	3775440	7.81E-08	3YrCancerF	7.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	478120.4	3775440	8.04E-08	3YrCancerF	8.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	478170.4	3775440	8.29E-08	3YrCancerF	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	478220.4	3775440	8.53E-08	3YrCancerF	8.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	478270.4	3775440	8.78E-08	3YrCancerF	8.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	478320.4	3775440	9.03E-08	3YrCancerF	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	478370.4	3775440	9.29E-08	3YrCancerF	9.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	478420.4	3775440	9.54E-08	3YrCancerF	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	478470.4	3775440	9.80E-08	3YrCancerF	9.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	478520.4	3775440	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	478570.4	3775440	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	478620.4	3775440	1.06E-07	3YrCancerF	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	478670.4	3775440	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	478720.4	3775440	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	478770.4	3775440	1.12E-07	3YrCancerF	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	478820.4	3775440	1.15E-07	3YrCancerF	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	478870.4	3775440	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	478920.4	3775440	1.18E-07	3YrCancerF	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	478970.4	3775440	1.20E-07	3YrCancerF	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	479020.4	3775440	1.21E-07	3YrCancerF	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	479070.4	3775440	1.22E-07	3YrCancerF	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	479120.4	3775440	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	479170.4	3775440	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	479220.4	3775440	1.24E-07	3YrCancerF	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	479270.4	3775440	1.24E-07	3YrCancerF	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	479320.4	3775440	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	479370.4	3775440	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	479420.4	3775440	1.22E-07	3YrCancerF	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	479470.4	3775440	1.21E-07	3YrCancerF	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	479520.4	3775440	1.20E-07	3YrCancerF	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	479570.4	3775440	1.11E-07	3YrCancerF	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	479620.4	3775440	9.74E-08	3YrCancerF	9.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	479670.4	3775440	8.91E-08	3YrCancerF	8.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	479720.4	3775440	8.38E-08	3YrCancerF	8.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	479770.4	3775440	8.15E-08	3YrCancerF	8.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	479820.4	3775440	7.83E-08	3YrCancerF	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	479870.4	3775440	7.62E-08	3YrCancerF	7.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	479920.4	3775440	7.32E-08	3YrCancerF	7.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	479970.4	3775440	7.18E-08	3YrCancerF	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

879	ALL	477970.4	3775490	7.11E-08	3YrCancerF	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	478020.4	3775490	7.32E-08	3YrCancerF	7.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	478070.4	3775490	7.53E-08	3YrCancerF	7.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	478120.4	3775490	7.75E-08	3YrCancerF	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	478170.4	3775490	7.97E-08	3YrCancerF	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	478220.4	3775490	8.20E-08	3YrCancerF	8.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	478270.4	3775490	8.42E-08	3YrCancerF	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	478320.4	3775490	8.66E-08	3YrCancerF	8.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	478370.4	3775490	8.89E-08	3YrCancerF	8.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	478420.4	3775490	9.11E-08	3YrCancerF	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	478470.4	3775490	9.35E-08	3YrCancerF	9.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	478520.4	3775490	9.58E-08	3YrCancerF	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	478570.4	3775490	9.81E-08	3YrCancerF	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	478620.4	3775490	1.00E-07	3YrCancerF	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	478670.4	3775490	1.02E-07	3YrCancerF	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	478720.4	3775490	1.04E-07	3YrCancerF	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	478770.4	3775490	1.06E-07	3YrCancerF	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	478820.4	3775490	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	478870.4	3775490	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	478920.4	3775490	1.11E-07	3YrCancerF	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	478970.4	3775490	1.13E-07	3YrCancerF	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	479020.4	3775490	1.14E-07	3YrCancerF	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	479070.4	3775490	1.15E-07	3YrCancerF	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	479120.4	3775490	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	479170.4	3775490	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	479220.4	3775490	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	479270.4	3775490	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	479320.4	3775490	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	479370.4	3775490	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	479420.4	3775490	1.15E-07	3YrCancerF	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	479470.4	3775490	1.14E-07	3YrCancerF	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	479520.4	3775490	1.13E-07	3YrCancerF	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	479570.4	3775490	1.04E-07	3YrCancerF	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	479620.4	3775490	9.20E-08	3YrCancerF	9.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	479670.4	3775490	8.42E-08	3YrCancerF	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	479720.4	3775490	7.85E-08	3YrCancerF	7.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	479770.4	3775490	7.72E-08	3YrCancerF	7.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	479820.4	3775490	7.39E-08	3YrCancerF	7.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	479870.4	3775490	7.18E-08	3YrCancerF	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	479920.4	3775490	6.96E-08	3YrCancerF	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	479970.4	3775490	6.81E-08	3YrCancerF	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	477970.4	3775540	6.88E-08	3YrCancerF	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	478020.4	3775540	7.07E-08	3YrCancerF	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	478070.4	3775540	7.27E-08	3YrCancerF	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

923	ALL	478120.4	3775540	7.47E-08	3YrCancerF	7.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	478170.4	3775540	7.67E-08	3YrCancerF	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	478220.4	3775540	7.88E-08	3YrCancerF	7.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	478270.4	3775540	8.09E-08	3YrCancerF	8.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	478320.4	3775540	8.30E-08	3YrCancerF	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	478370.4	3775540	8.51E-08	3YrCancerF	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	478420.4	3775540	8.72E-08	3YrCancerF	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	478470.4	3775540	8.93E-08	3YrCancerF	8.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	478520.4	3775540	9.14E-08	3YrCancerF	9.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	478570.4	3775540	9.35E-08	3YrCancerF	9.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	478620.4	3775540	9.54E-08	3YrCancerF	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	478670.4	3775540	9.73E-08	3YrCancerF	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	478720.4	3775540	9.92E-08	3YrCancerF	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	478770.4	3775540	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	478820.4	3775540	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	478870.4	3775540	1.04E-07	3YrCancerF	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	478920.4	3775540	1.05E-07	3YrCancerF	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	478970.4	3775540	1.07E-07	3YrCancerF	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	479020.4	3775540	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	479070.4	3775540	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	479120.4	3775540	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	479170.4	3775540	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	479220.4	3775540	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	479270.4	3775540	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	479320.4	3775540	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	479370.4	3775540	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	479420.4	3775540	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	479470.4	3775540	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	479520.4	3775540	1.07E-07	3YrCancerF	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	479570.4	3775540	9.86E-08	3YrCancerF	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	479620.4	3775540	8.70E-08	3YrCancerF	8.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	479670.4	3775540	7.97E-08	3YrCancerF	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	479720.4	3775540	7.44E-08	3YrCancerF	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	479770.4	3775540	7.16E-08	3YrCancerF	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	479820.4	3775540	7.01E-08	3YrCancerF	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	479870.4	3775540	6.73E-08	3YrCancerF	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	479920.4	3775540	6.62E-08	3YrCancerF	6.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	479970.4	3775540	6.37E-08	3YrCancerF	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	478861.4	3774619	4.31E-07	3YrCancerF	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	478791.5	3774518	4.68E-07	3YrCancerF	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	478789.7	3774444	5.37E-07	3YrCancerF	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	478748.8	3774450	4.84E-07	3YrCancerF	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	479103.5	3774681	4.87E-07	3YrCancerF	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	479094.5	3774696	4.65E-07	3YrCancerF	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

967	ALL		479077.3	3774697	4.58E-07	3YrCancerF	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL		479101.5	3774732	4.25E-07	3YrCancerF	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL		479782.9	3774152	1.25E-06	3YrCancerF	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL		479890.1	3774169	9.45E-07	3YrCancerF	9.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	School	479890.1	3774137	9.99E-07	3YrCancerF	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL		479913.7	3774138	9.43E-07	3YrCancerF	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL		479911.2	3774168	9.02E-07	3YrCancerF	9.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL		479885.8	3774065	1.06E-06	3YrCancerF	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL		480148.5	3774029	7.71E-07	3YrCancerF	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL		480198.5	3774029	7.14E-07	3YrCancerF	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL		480248.5	3774029	6.69E-07	3YrCancerF	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL		480298.5	3774029	6.27E-07	3YrCancerF	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL		480348.5	3774029	5.88E-07	3YrCancerF	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL		480398.5	3774029	5.56E-07	3YrCancerF	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL		480448.5	3774029	5.21E-07	3YrCancerF	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL		480498.5	3774029	4.95E-07	3YrCancerF	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL		480098.5	3774079	8.26E-07	3YrCancerF	8.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL		480148.5	3774079	7.72E-07	3YrCancerF	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL		480198.5	3774079	7.14E-07	3YrCancerF	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL		480248.5	3774079	6.67E-07	3YrCancerF	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL		480298.5	3774079	6.24E-07	3YrCancerF	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL		480348.5	3774079	5.83E-07	3YrCancerF	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL		480398.5	3774079	5.51E-07	3YrCancerF	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL		480448.5	3774079	5.16E-07	3YrCancerF	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL		480498.5	3774079	4.89E-07	3YrCancerF	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL		479998.5	3774129	9.15E-07	3YrCancerF	9.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL		480048.5	3774129	8.69E-07	3YrCancerF	8.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL		480098.5	3774129	7.92E-07	3YrCancerF	7.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL		480148.5	3774129	7.39E-07	3YrCancerF	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL		480198.5	3774129	6.84E-07	3YrCancerF	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL		480248.5	3774129	6.39E-07	3YrCancerF	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL		480298.5	3774129	5.98E-07	3YrCancerF	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL		480348.5	3774129	5.59E-07	3YrCancerF	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL		480398.5	3774129	5.24E-07	3YrCancerF	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL		480448.5	3774129	4.95E-07	3YrCancerF	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL		480498.5	3774129	4.66E-07	3YrCancerF	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL		479998.5	3774179	8.33E-07	3YrCancerF	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL		480048.5	3774179	7.91E-07	3YrCancerF	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL		480098.5	3774179	7.25E-07	3YrCancerF	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL		480148.5	3774179	6.78E-07	3YrCancerF	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL		480198.5	3774179	6.29E-07	3YrCancerF	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL		480248.5	3774179	5.89E-07	3YrCancerF	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL		480298.5	3774179	5.52E-07	3YrCancerF	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL		480348.5	3774179	5.18E-07	3YrCancerF	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1011	ALL	480398.5	3774179	4.88E-07	3YrCancerF	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	480448.5	3774179	4.61E-07	3YrCancerF	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	480498.5	3774179	4.35E-07	3YrCancerF	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	479998.5	3774229	7.47E-07	3YrCancerF	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	480048.5	3774229	6.90E-07	3YrCancerF	6.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	480098.5	3774229	6.43E-07	3YrCancerF	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	480148.5	3774229	5.98E-07	3YrCancerF	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	480198.5	3774229	5.58E-07	3YrCancerF	5.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	480248.5	3774229	5.25E-07	3YrCancerF	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	480298.5	3774229	4.94E-07	3YrCancerF	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	480348.5	3774229	4.66E-07	3YrCancerF	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	480398.5	3774229	4.41E-07	3YrCancerF	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	480448.5	3774229	4.17E-07	3YrCancerF	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	480498.5	3774229	3.97E-07	3YrCancerF	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	479998.5	3774279	6.24E-07	3YrCancerF	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	480048.5	3774279	5.81E-07	3YrCancerF	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	480098.5	3774279	5.45E-07	3YrCancerF	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	480148.5	3774279	5.11E-07	3YrCancerF	5.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	480198.5	3774279	4.82E-07	3YrCancerF	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	480248.5	3774279	4.54E-07	3YrCancerF	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	480298.5	3774279	4.30E-07	3YrCancerF	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	480348.5	3774279	4.08E-07	3YrCancerF	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	480398.5	3774279	3.87E-07	3YrCancerF	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	480448.5	3774279	3.68E-07	3YrCancerF	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	480498.5	3774279	3.51E-07	3YrCancerF	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	479998.5	3774329	5.10E-07	3YrCancerF	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	480048.5	3774329	4.80E-07	3YrCancerF	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	480098.5	3774329	4.52E-07	3YrCancerF	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	480148.5	3774329	4.28E-07	3YrCancerF	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	480198.5	3774329	4.05E-07	3YrCancerF	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	480248.5	3774329	3.85E-07	3YrCancerF	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	480298.5	3774329	3.66E-07	3YrCancerF	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	480348.5	3774329	3.49E-07	3YrCancerF	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	480398.5	3774329	3.34E-07	3YrCancerF	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	480448.5	3774329	3.19E-07	3YrCancerF	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	480498.5	3774329	3.05E-07	3YrCancerF	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	479998.5	3774379	4.17E-07	3YrCancerF	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	480048.5	3774379	3.95E-07	3YrCancerF	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	480098.5	3774379	3.73E-07	3YrCancerF	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	480148.5	3774379	3.56E-07	3YrCancerF	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	480198.5	3774379	3.38E-07	3YrCancerF	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	480248.5	3774379	3.24E-07	3YrCancerF	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	480298.5	3774379	3.09E-07	3YrCancerF	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	480348.5	3774379	2.96E-07	3YrCancerF	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1055	ALL	480398.5	3774379	2.85E-07	3YrCancerF	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	480448.5	3774379	2.73E-07	3YrCancerF	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	480498.5	3774379	2.63E-07	3YrCancerF	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	479998.5	3774429	3.46E-07	3YrCancerF	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	480048.5	3774429	3.25E-07	3YrCancerF	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	480098.5	3774429	3.11E-07	3YrCancerF	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	480148.5	3774429	2.96E-07	3YrCancerF	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	480198.5	3774429	2.83E-07	3YrCancerF	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	480248.5	3774429	2.72E-07	3YrCancerF	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	480298.5	3774429	2.61E-07	3YrCancerF	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	480348.5	3774429	2.51E-07	3YrCancerF	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	480398.5	3774429	2.41E-07	3YrCancerF	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	480448.5	3774429	2.33E-07	3YrCancerF	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	480498.5	3774429	2.25E-07	3YrCancerF	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	479998.5	3774479	2.92E-07	3YrCancerF	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	480048.5	3774479	2.75E-07	3YrCancerF	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	480098.5	3774479	2.64E-07	3YrCancerF	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	480148.5	3774479	2.51E-07	3YrCancerF	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	480198.5	3774479	2.40E-07	3YrCancerF	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	480248.5	3774479	2.32E-07	3YrCancerF	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	480298.5	3774479	2.21E-07	3YrCancerF	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	480348.5	3774479	2.14E-07	3YrCancerF	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	480398.5	3774479	2.06E-07	3YrCancerF	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	480448.5	3774479	2.00E-07	3YrCancerF	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	480498.5	3774479	1.93E-07	3YrCancerF	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	479998.5	3774529	2.53E-07	3YrCancerF	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	480048.5	3774529	2.40E-07	3YrCancerF	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	480098.5	3774529	2.29E-07	3YrCancerF	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	480148.5	3774529	2.16E-07	3YrCancerF	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	480198.5	3774529	2.08E-07	3YrCancerF	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	480248.5	3774529	2.01E-07	3YrCancerF	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	480298.5	3774529	1.91E-07	3YrCancerF	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	480348.5	3774529	1.85E-07	3YrCancerF	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	480398.5	3774529	1.78E-07	3YrCancerF	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	480448.5	3774529	1.73E-07	3YrCancerF	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	480498.5	3774529	1.66E-07	3YrCancerF	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	479998.5	3774579	2.24E-07	3YrCancerF	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	480048.5	3774579	2.13E-07	3YrCancerF	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	480098.5	3774579	2.00E-07	3YrCancerF	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	480148.5	3774579	1.91E-07	3YrCancerF	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	480198.5	3774579	1.84E-07	3YrCancerF	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	480248.5	3774579	1.75E-07	3YrCancerF	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	480298.5	3774579	1.69E-07	3YrCancerF	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	480348.5	3774579	1.61E-07	3YrCancerF	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1099	ALL	480398.5	3774579	1.56E-07	3YrCancerR	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	480448.5	3774579	1.51E-07	3YrCancerR	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	480498.5	3774579	1.46E-07	3YrCancerR	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	479998.5	3774629	2.03E-07	3YrCancerR	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	480048.5	3774629	1.93E-07	3YrCancerR	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	480098.5	3774629	1.81E-07	3YrCancerR	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	480148.5	3774629	1.73E-07	3YrCancerR	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	480198.5	3774629	1.64E-07	3YrCancerR	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	480248.5	3774629	1.57E-07	3YrCancerR	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	480298.5	3774629	1.49E-07	3YrCancerR	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	480348.5	3774629	1.44E-07	3YrCancerR	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	480398.5	3774629	1.40E-07	3YrCancerR	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	480448.5	3774629	1.34E-07	3YrCancerR	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	480498.5	3774629	1.29E-07	3YrCancerR	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	479998.5	3774679	1.86E-07	3YrCancerR	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	480048.5	3774679	1.76E-07	3YrCancerR	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	480098.5	3774679	1.65E-07	3YrCancerR	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	480148.5	3774679	1.58E-07	3YrCancerR	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	480198.5	3774679	1.49E-07	3YrCancerR	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	480248.5	3774679	1.43E-07	3YrCancerR	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	480298.5	3774679	1.36E-07	3YrCancerR	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	480348.5	3774679	1.31E-07	3YrCancerR	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	480398.5	3774679	1.25E-07	3YrCancerR	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	480448.5	3774679	1.21E-07	3YrCancerR	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	480498.5	3774679	1.16E-07	3YrCancerR	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	479998.5	3774729	1.72E-07	3YrCancerR	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	480048.5	3774729	1.61E-07	3YrCancerR	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	480098.5	3774729	1.53E-07	3YrCancerR	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	480148.5	3774729	1.45E-07	3YrCancerR	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	480198.5	3774729	1.38E-07	3YrCancerR	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	480248.5	3774729	1.30E-07	3YrCancerR	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	480298.5	3774729	1.25E-07	3YrCancerR	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	480348.5	3774729	1.20E-07	3YrCancerR	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	480398.5	3774729	1.15E-07	3YrCancerR	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	480448.5	3774729	1.11E-07	3YrCancerR	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	480498.5	3774729	1.07E-07	3YrCancerR	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	479998.5	3774779	1.59E-07	3YrCancerR	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	480048.5	3774779	1.49E-07	3YrCancerR	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	480098.5	3774779	1.42E-07	3YrCancerR	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	480148.5	3774779	1.35E-07	3YrCancerR	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	480198.5	3774779	1.28E-07	3YrCancerR	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	480248.5	3774779	1.21E-07	3YrCancerR	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	480298.5	3774779	1.17E-07	3YrCancerR	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	480348.5	3774779	1.11E-07	3YrCancerR	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1143	ALL	480398.5	3774779	1.07E-07	3YrCancerF	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	480448.5	3774779	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	480498.5	3774779	9.91E-08	3YrCancerF	9.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	479998.5	3774829	1.48E-07	3YrCancerF	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	480048.5	3774829	1.39E-07	3YrCancerF	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	480098.5	3774829	1.33E-07	3YrCancerF	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	480148.5	3774829	1.26E-07	3YrCancerF	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	480198.5	3774829	1.19E-07	3YrCancerF	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	480248.5	3774829	1.13E-07	3YrCancerF	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	480298.5	3774829	1.09E-07	3YrCancerF	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	480348.5	3774829	1.04E-07	3YrCancerF	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	480398.5	3774829	1.00E-07	3YrCancerF	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	480448.5	3774829	9.56E-08	3YrCancerF	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	480498.5	3774829	9.23E-08	3YrCancerF	9.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	479998.5	3774879	1.37E-07	3YrCancerF	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	480048.5	3774879	1.30E-07	3YrCancerF	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	480098.5	3774879	1.25E-07	3YrCancerF	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	480148.5	3774879	1.18E-07	3YrCancerF	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	480198.5	3774879	1.13E-07	3YrCancerF	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	480248.5	3774879	1.07E-07	3YrCancerF	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	480298.5	3774879	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	480348.5	3774879	9.77E-08	3YrCancerF	9.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	480398.5	3774879	9.34E-08	3YrCancerF	9.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	480448.5	3774879	9.00E-08	3YrCancerF	9.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	480498.5	3774879	8.69E-08	3YrCancerF	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	479998.5	3774929	1.28E-07	3YrCancerF	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	480048.5	3774929	1.22E-07	3YrCancerF	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	480098.5	3774929	1.17E-07	3YrCancerF	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	480148.5	3774929	1.11E-07	3YrCancerF	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	480198.5	3774929	1.06E-07	3YrCancerF	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	480248.5	3774929	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	480298.5	3774929	9.71E-08	3YrCancerF	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	480348.5	3774929	9.23E-08	3YrCancerF	9.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	480398.5	3774929	8.79E-08	3YrCancerF	8.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	480448.5	3774929	8.51E-08	3YrCancerF	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	480498.5	3774929	8.13E-08	3YrCancerF	8.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	479998.5	3774979	1.20E-07	3YrCancerF	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	480048.5	3774979	1.15E-07	3YrCancerF	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	480098.5	3774979	1.10E-07	3YrCancerF	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	480148.5	3774979	1.04E-07	3YrCancerF	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	480198.5	3774979	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	480248.5	3774979	9.53E-08	3YrCancerF	9.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	480298.5	3774979	9.20E-08	3YrCancerF	9.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	480348.5	3774979	8.74E-08	3YrCancerF	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1187	ALL	480398.5	3774979	8.33E-08	3YrCancerF	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	480448.5	3774979	8.07E-08	3YrCancerF	8.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	480498.5	3774979	7.71E-08	3YrCancerF	7.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	479998.5	3775029	1.13E-07	3YrCancerF	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	480048.5	3775029	1.08E-07	3YrCancerF	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	480098.5	3775029	1.04E-07	3YrCancerF	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	480148.5	3775029	9.87E-08	3YrCancerF	9.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	480198.5	3775029	9.52E-08	3YrCancerF	9.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	480248.5	3775029	9.04E-08	3YrCancerF	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	480298.5	3775029	8.73E-08	3YrCancerF	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	480348.5	3775029	8.30E-08	3YrCancerF	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	480398.5	3775029	7.92E-08	3YrCancerF	7.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	480448.5	3775029	7.67E-08	3YrCancerF	7.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	480498.5	3775029	7.33E-08	3YrCancerF	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	479998.5	3775079	1.06E-07	3YrCancerF	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	480048.5	3775079	1.02E-07	3YrCancerF	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	480098.5	3775079	9.86E-08	3YrCancerF	9.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	480148.5	3775079	9.35E-08	3YrCancerF	9.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	480198.5	3775079	9.04E-08	3YrCancerF	9.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	480248.5	3775079	8.74E-08	3YrCancerF	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	480298.5	3775079	8.30E-08	3YrCancerF	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	480348.5	3775079	7.91E-08	3YrCancerF	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	480398.5	3775079	7.55E-08	3YrCancerF	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	480448.5	3775079	7.24E-08	3YrCancerF	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	480498.5	3775079	6.96E-08	3YrCancerF	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	479998.5	3775129	1.00E-07	3YrCancerF	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	480048.5	3775129	9.63E-08	3YrCancerF	9.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	480098.5	3775129	9.33E-08	3YrCancerF	9.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	480148.5	3775129	8.86E-08	3YrCancerF	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	480198.5	3775129	8.58E-08	3YrCancerF	8.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	480248.5	3775129	8.30E-08	3YrCancerF	8.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	480298.5	3775129	7.91E-08	3YrCancerF	7.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	480348.5	3775129	7.50E-08	3YrCancerF	7.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	480398.5	3775129	7.20E-08	3YrCancerF	7.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	480448.5	3775129	6.91E-08	3YrCancerF	6.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	480498.5	3775129	6.64E-08	3YrCancerF	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	479998.5	3775179	9.38E-08	3YrCancerF	9.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	480048.5	3775179	9.11E-08	3YrCancerF	9.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	480098.5	3775179	8.72E-08	3YrCancerF	8.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	480148.5	3775179	8.41E-08	3YrCancerF	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	480198.5	3775179	8.12E-08	3YrCancerF	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	480248.5	3775179	7.78E-08	3YrCancerF	7.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	480298.5	3775179	7.45E-08	3YrCancerF	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	480348.5	3775179	7.11E-08	3YrCancerF	7.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1231	ALL	480398.5	3775179	6.88E-08	3YrCancerF	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	480448.5	3775179	6.53E-08	3YrCancerF	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	480498.5	3775179	6.30E-08	3YrCancerF	6.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	479998.5	3775229	8.86E-08	3YrCancerF	8.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	480048.5	3775229	8.63E-08	3YrCancerF	8.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	480098.5	3775229	8.23E-08	3YrCancerF	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	480148.5	3775229	8.00E-08	3YrCancerF	8.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	480198.5	3775229	7.75E-08	3YrCancerF	7.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	480248.5	3775229	7.42E-08	3YrCancerF	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	480298.5	3775229	7.09E-08	3YrCancerF	7.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	480348.5	3775229	6.78E-08	3YrCancerF	6.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	480398.5	3775229	6.49E-08	3YrCancerF	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	480448.5	3775229	6.25E-08	3YrCancerF	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	480498.5	3775229	6.03E-08	3YrCancerF	6.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	479998.5	3775279	8.39E-08	3YrCancerF	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	480048.5	3775279	8.18E-08	3YrCancerF	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	480098.5	3775279	7.82E-08	3YrCancerF	7.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	480148.5	3775279	7.61E-08	3YrCancerF	7.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	480198.5	3775279	7.37E-08	3YrCancerF	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	480248.5	3775279	7.08E-08	3YrCancerF	7.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	480298.5	3775279	6.81E-08	3YrCancerF	6.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	480348.5	3775279	6.46E-08	3YrCancerF	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	480398.5	3775279	6.22E-08	3YrCancerF	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	480448.5	3775279	5.96E-08	3YrCancerF	5.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	480498.5	3775279	5.77E-08	3YrCancerF	5.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	479998.5	3775329	7.95E-08	3YrCancerF	7.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	480048.5	3775329	7.76E-08	3YrCancerF	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	480098.5	3775329	7.43E-08	3YrCancerF	7.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	480148.5	3775329	7.24E-08	3YrCancerF	7.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	480198.5	3775329	6.96E-08	3YrCancerF	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	480248.5	3775329	6.76E-08	3YrCancerF	6.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	480298.5	3775329	6.42E-08	3YrCancerF	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	480348.5	3775329	6.19E-08	3YrCancerF	6.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	480398.5	3775329	5.91E-08	3YrCancerF	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	480448.5	3775329	5.73E-08	3YrCancerF	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	480498.5	3775329	5.50E-08	3YrCancerF	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	479998.5	3775379	7.55E-08	3YrCancerF	7.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	480048.5	3775379	7.33E-08	3YrCancerF	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	480098.5	3775379	7.07E-08	3YrCancerF	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	480148.5	3775379	6.90E-08	3YrCancerF	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	480198.5	3775379	6.61E-08	3YrCancerF	6.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	480248.5	3775379	6.36E-08	3YrCancerF	6.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	480298.5	3775379	6.09E-08	3YrCancerF	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	480348.5	3775379	5.87E-08	3YrCancerF	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1275	ALL	480398.5	3775379	5.65E-08	3YrCancerF	5.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	480448.5	3775379	5.45E-08	3YrCancerF	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	480498.5	3775379	5.26E-08	3YrCancerF	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	479998.5	3775429	7.16E-08	3YrCancerF	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	480048.5	3775429	6.88E-08	3YrCancerF	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	480098.5	3775429	6.73E-08	3YrCancerF	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	480148.5	3775429	6.50E-08	3YrCancerF	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	480198.5	3775429	6.29E-08	3YrCancerF	6.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	480248.5	3775429	5.99E-08	3YrCancerF	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	480298.5	3775429	5.79E-08	3YrCancerF	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	480348.5	3775429	5.56E-08	3YrCancerF	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	480398.5	3775429	5.36E-08	3YrCancerF	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	480448.5	3775429	5.23E-08	3YrCancerF	5.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	480498.5	3775429	5.04E-08	3YrCancerF	5.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	479998.5	3775479	6.73E-08	3YrCancerF	6.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	480048.5	3775479	6.55E-08	3YrCancerF	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	480098.5	3775479	6.42E-08	3YrCancerF	6.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	480148.5	3775479	6.17E-08	3YrCancerF	6.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	480198.5	3775479	5.92E-08	3YrCancerF	5.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	480248.5	3775479	5.67E-08	3YrCancerF	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	480298.5	3775479	5.46E-08	3YrCancerF	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	480348.5	3775479	5.28E-08	3YrCancerF	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	480398.5	3775479	5.10E-08	3YrCancerF	5.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	480448.5	3775479	4.98E-08	3YrCancerF	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	480498.5	3775479	4.80E-08	3YrCancerF	4.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

9.99E-07
9.99E-01

HARP2 - HRACalc (dated 22118) 1/9/2023 10:09:52 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5THVICTORIACONST\hra\5thVicChonicConstNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5THVICTORIACONST\hra\5thVicChonicConstNCChronicRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 1/9/2023 10:09:52 AM - Chronic Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5THVICTORIACONST\hra\5thVicChonicConstHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		478170.4	3774040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04
2	ALL		478220.4	3774040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04
3	ALL		478270.4	3774040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04
4	ALL		478320.4	3774040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04
5	ALL		478170.4	3774090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04
6	ALL		478220.4	3774090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04
7	ALL		478270.4	3774090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04
8	ALL		478320.4	3774090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04
9	ALL		478170.4	3774140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04
10	ALL		478220.4	3774140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04
11	ALL		478270.4	3774140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04
12	ALL		478320.4	3774140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04
13	ALL		478170.4	3774190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04
14	ALL		478220.4	3774190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
15	ALL		478270.4	3774190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04
16	ALL		478320.4	3774190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04
17	ALL		478170.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04
18	ALL		478220.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04
19	ALL		478270.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04
20	ALL		478320.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04
21	ALL		478370.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04
22	ALL		478420.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04
23	ALL		478470.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04
24	ALL		478520.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-04
25	ALL		478570.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04
26	ALL		479570.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-03
27	ALL		479620.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-03
28	ALL		479670.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03
29	ALL		479720.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
30	ALL		479770.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03
31	ALL		479820.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03
32	ALL		479870.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
33	ALL		479920.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
34	ALL		479970.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
35	ALL		478170.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04
36	ALL		478220.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
37	ALL		478270.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04
38	ALL		478320.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
39	ALL		478370.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04
40	ALL		478420.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04
41	ALL		478470.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04
42	ALL		478520.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04
43	ALL		478570.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04
44	ALL		479170.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-03
45	ALL		479220.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-03
46	ALL		479270.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-03
47	ALL		479320.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-03
48	ALL		479370.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-03

49	ALL	479420.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-03
50	ALL	479470.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-03
51	ALL	479520.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03
52	ALL	479570.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03
53	ALL	479620.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03
54	ALL	479670.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03
55	ALL	479720.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03
56	ALL	479770.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
57	ALL	479820.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
58	ALL	479870.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
59	ALL	479920.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
60	ALL	479970.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
61	ALL	478170.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
62	ALL	478220.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
63	ALL	478270.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04
64	ALL	478320.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04
65	ALL	478370.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04
66	ALL	478420.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04
67	ALL	478470.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04
68	ALL	478520.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04
69	ALL	478570.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04
70	ALL	479170.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-03
71	ALL	479220.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-03
72	ALL	479270.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-03
73	ALL	479320.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-03
74	ALL	479370.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-03
75	ALL	479420.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-03
76	ALL	479470.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03
77	ALL	479520.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-03
78	ALL	479570.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-03
79	ALL	479620.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03
80	ALL	479670.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03
81	ALL	479720.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
82	ALL	479770.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
83	ALL	479820.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
84	ALL	479870.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
85	ALL	479920.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
86	ALL	479970.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
87	ALL	478170.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04
88	ALL	478220.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04
89	ALL	478270.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
90	ALL	478320.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04
91	ALL	478370.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04
92	ALL	478420.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04
93	ALL	478470.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04
94	ALL	478520.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04
95	ALL	478570.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04
96	ALL	479170.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-03
97	ALL	479220.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-03
98	ALL	479270.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-03

99	ALL	479320.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-03
100	ALL	479370.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-03
101	ALL	479420.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03
102	ALL	479470.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03
103	ALL	479520.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
104	ALL	479570.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
105	ALL	479620.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03
106	ALL	479670.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
107	ALL	479720.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
108	ALL	479770.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
109	ALL	479820.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
110	ALL	479870.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
111	ALL	479920.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
112	ALL	479970.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04
113	ALL	478170.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
114	ALL	478220.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
115	ALL	478270.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
116	ALL	478320.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04
117	ALL	478370.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04
118	ALL	478420.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04
119	ALL	478470.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04
120	ALL	478520.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04
121	ALL	478570.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04
122	ALL	478620.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04
123	ALL	478670.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-04
124	ALL	478720.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
125	ALL	478770.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
126	ALL	478820.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
127	ALL	479320.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-03
128	ALL	479370.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03
129	ALL	479420.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03
130	ALL	479470.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03
131	ALL	479520.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
132	ALL	479570.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-03
133	ALL	479620.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
134	ALL	479670.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
135	ALL	479720.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
136	ALL	479770.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
137	ALL	479820.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
138	ALL	479870.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04
139	ALL	479920.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04
140	ALL	479970.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04
141	ALL	478170.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
142	ALL	478220.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
143	ALL	478270.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
144	ALL	478320.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
145	ALL	478370.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04
146	ALL	478420.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04
147	ALL	478470.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04
148	ALL	478520.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04

149	ALL	478570.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-04
150	ALL	478620.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04
151	ALL	478670.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04
152	ALL	478720.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-04
153	ALL	478749.3	3774488	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
154	ALL	478820.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
155	ALL	479370.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03
156	ALL	479420.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
157	ALL	479470.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
158	ALL	479520.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
159	ALL	479570.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
160	ALL	479620.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
161	ALL	479670.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
162	ALL	479720.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
163	ALL	479770.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04
164	ALL	479820.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04
165	ALL	479870.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04
166	ALL	479920.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04
167	ALL	479970.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04
168	ALL	478170.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
169	ALL	478220.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
170	ALL	478270.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
171	ALL	478320.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
172	ALL	478370.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04
173	ALL	478420.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
174	ALL	478470.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04
175	ALL	478520.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04
176	ALL	478570.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04
177	ALL	478620.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04
178	ALL	478670.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04
179	ALL	478720.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-04
180	ALL	478764.9	3774551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04
181	ALL	478807.5	3774552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
182	ALL	479370.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03
183	ALL	479420.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
184	ALL	479470.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
185	ALL	479520.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
186	ALL	479570.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
187	ALL	479620.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
188	ALL	479670.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
189	ALL	479720.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04
190	ALL	479770.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04
191	ALL	479820.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04
192	ALL	479870.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04
193	ALL	479920.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04
194	ALL	479970.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04
195	ALL	478170.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
196	ALL	478220.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
197	ALL	478270.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
198	ALL	478320.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04

199	ALL	478370.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
200	ALL	478420.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04
201	ALL	478470.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04
202	ALL	478520.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04
203	ALL	478570.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04
204	ALL	478620.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04
205	ALL	478670.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04
206	ALL	478720.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04
207	ALL	478776.3	3774603	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04
208	ALL	478804.3	3774604	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04
209	ALL	479370.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
210	ALL	479420.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
211	ALL	479470.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
212	ALL	479520.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
213	ALL	479570.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
214	ALL	479620.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
215	ALL	479670.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04
216	ALL	479720.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04
217	ALL	479770.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04
218	ALL	479820.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04
219	ALL	479870.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04
220	ALL	479920.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04
221	ALL	479970.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04
222	ALL	478170.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
223	ALL	478220.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
224	ALL	478270.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
225	ALL	478320.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
226	ALL	478370.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
227	ALL	478420.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
228	ALL	478470.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04
229	ALL	478520.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04
230	ALL	478570.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04
231	ALL	478620.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04
232	ALL	478670.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04
233	ALL	478720.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04
234	ALL	478770.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-04
235	ALL	478820.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04
236	ALL	478870.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04
237	ALL	479370.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
238	ALL	479420.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
239	ALL	479470.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
240	ALL	479520.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
241	ALL	479570.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
242	ALL	479620.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04
243	ALL	479670.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04
244	ALL	479720.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04
245	ALL	479770.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04
246	ALL	479820.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04
247	ALL	479870.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
248	ALL	479920.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04

249	ALL	479970.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04
250	ALL	478170.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
251	ALL	478220.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
252	ALL	478270.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
253	ALL	478320.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
254	ALL	478370.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
255	ALL	478420.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04
256	ALL	478470.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04
257	ALL	478520.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04
258	ALL	478570.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04
259	ALL	478620.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04
260	ALL	478670.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04
261	ALL	478720.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04
262	ALL	478770.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04
263	ALL	478820.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04
264	ALL	478868.7	3774701	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04
265	ALL	478861.3	3774671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04
266	ALL	479026.6	3774722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-04
267	ALL	479059.1	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
268	ALL	479113.7	3774695	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
269	ALL	479370.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
270	ALL	479420.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
271	ALL	479470.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
272	ALL	479520.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04
273	ALL	479570.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04
274	ALL	479620.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04
275	ALL	479670.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04
276	ALL	479720.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04
277	ALL	479770.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04
278	ALL	479820.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04
279	ALL	479870.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04
280	ALL	479920.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
281	ALL	479970.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
282	ALL	478170.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
283	ALL	478220.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04
284	ALL	478270.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
285	ALL	478320.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04
286	ALL	478370.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
287	ALL	478420.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04
288	ALL	478470.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04
289	ALL	478520.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
290	ALL	478570.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04
291	ALL	478620.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04
292	ALL	478670.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04
293	ALL	478720.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04
294	ALL	478770.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04
295	ALL	478820.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04
296	ALL	478863	3774730	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04
297	ALL	479020.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04
298	ALL	479070.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04

299	ALL	479120.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04
300	ALL	479370.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04
301	ALL	479420.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04
302	ALL	479470.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04
303	ALL	479520.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04
304	ALL	479570.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04
305	ALL	479620.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04
306	ALL	479670.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04
307	ALL	479720.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04
308	ALL	479770.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04
309	ALL	479820.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
310	ALL	479870.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04
311	ALL	479920.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
312	ALL	479970.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
313	ALL	478170.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
314	ALL	478220.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04
315	ALL	478270.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
316	ALL	478320.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
317	ALL	478370.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04
318	ALL	478420.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
319	ALL	478470.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04
320	ALL	478520.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
321	ALL	478570.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04
322	ALL	478620.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04
323	ALL	478670.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04
324	ALL	478720.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04
325	ALL	478770.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04
326	ALL	478820.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04
327	ALL	478870.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-04
328	ALL	478920.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04
329	ALL	478970.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04
330	ALL	479020.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04
331	ALL	479070.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04
332	ALL	479120.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-04
333	ALL	479370.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04
334	ALL	479420.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04
335	ALL	479470.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04
336	ALL	479520.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04
337	ALL	479570.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-04
338	ALL	479620.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04
339	ALL	479670.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04
340	ALL	479720.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
341	ALL	479770.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
342	ALL	479820.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04
343	ALL	479870.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
344	ALL	479920.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
345	ALL	479970.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
346	ALL	477970.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
347	ALL	478020.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
348	ALL	478070.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04

349	ALL	478120.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
350	ALL	478170.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
351	ALL	478220.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
352	ALL	478270.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
353	ALL	478320.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
354	ALL	478370.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04
355	ALL	478420.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
356	ALL	478470.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
357	ALL	478520.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04
358	ALL	478570.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04
359	ALL	478620.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04
360	ALL	478670.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04
361	ALL	478720.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04
362	ALL	478770.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04
363	ALL	478820.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04
364	ALL	478870.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04
365	ALL	478920.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04
366	ALL	478970.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04
367	ALL	479020.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04
368	ALL	479070.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04
369	ALL	479120.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04
370	ALL	479170.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04
371	ALL	479220.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04
372	ALL	479270.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04
373	ALL	479320.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04
374	ALL	479370.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04
375	ALL	479420.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04
376	ALL	479470.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04
377	ALL	479520.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04
378	ALL	479570.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04
379	ALL	479620.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04
380	ALL	479670.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04
381	ALL	479720.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
382	ALL	479770.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
383	ALL	479820.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
384	ALL	479870.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
385	ALL	479920.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
386	ALL	479970.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
387	ALL	477970.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
388	ALL	478020.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
389	ALL	478070.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
390	ALL	478120.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
391	ALL	478170.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
392	ALL	478220.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
393	ALL	478270.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
394	ALL	478320.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
395	ALL	478370.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
396	ALL	478420.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
397	ALL	478470.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
398	ALL	478520.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04

399	ALL	478570.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
400	ALL	478620.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
401	ALL	478670.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04
402	ALL	478720.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04
403	ALL	478770.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
404	ALL	478820.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
405	ALL	478870.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04
406	ALL	478920.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04
407	ALL	478970.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04
408	ALL	479020.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04
409	ALL	479070.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04
410	ALL	479120.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04
411	ALL	479170.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04
412	ALL	479220.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04
413	ALL	479270.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04
414	ALL	479320.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04
415	ALL	479370.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04
416	ALL	479420.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04
417	ALL	479470.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04
418	ALL	479520.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04
419	ALL	479570.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04
420	ALL	479620.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04
421	ALL	479670.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04
422	ALL	479720.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
423	ALL	479770.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
424	ALL	479820.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
425	ALL	479870.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
426	ALL	479920.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
427	ALL	479970.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
428	ALL	477970.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
429	ALL	478020.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
430	ALL	478070.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
431	ALL	478120.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
432	ALL	478170.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
433	ALL	478220.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
434	ALL	478270.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
435	ALL	478320.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
436	ALL	478370.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
437	ALL	478420.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
438	ALL	478470.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04
439	ALL	478520.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04
440	ALL	478570.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
441	ALL	478620.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
442	ALL	478670.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
443	ALL	478720.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04
444	ALL	478770.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04
445	ALL	478820.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04
446	ALL	478870.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
447	ALL	478920.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04
448	ALL	478970.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04

449	ALL	479020.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04
450	ALL	479070.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04
451	ALL	479120.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04
452	ALL	479170.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04
453	ALL	479220.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04
454	ALL	479270.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04
455	ALL	479320.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04
456	ALL	479370.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-04
457	ALL	479420.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04
458	ALL	479470.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04
459	ALL	479520.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04
460	ALL	479570.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
461	ALL	479620.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04
462	ALL	479670.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
463	ALL	479720.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
464	ALL	479770.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
465	ALL	479820.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
466	ALL	479870.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04
467	ALL	479920.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
468	ALL	479970.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
469	ALL	477970.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
470	ALL	478020.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
471	ALL	478070.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
472	ALL	478120.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
473	ALL	478170.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
474	ALL	478220.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
475	ALL	478270.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04
476	ALL	478320.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
477	ALL	478370.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
478	ALL	478420.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
479	ALL	478470.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
480	ALL	478520.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
481	ALL	478570.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04
482	ALL	478620.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
483	ALL	478670.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04
484	ALL	478720.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
485	ALL	478770.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
486	ALL	478820.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
487	ALL	478870.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
488	ALL	478920.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04
489	ALL	478970.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04
490	ALL	479020.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
491	ALL	479070.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04
492	ALL	479120.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04
493	ALL	479170.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
494	ALL	479220.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04
495	ALL	479270.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04
496	ALL	479320.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04
497	ALL	479370.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04
498	ALL	479420.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04

499	ALL	479470.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
500	ALL	479520.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04
501	ALL	479570.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
502	ALL	479620.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04
503	ALL	479670.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04
504	ALL	479720.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
505	ALL	479770.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
506	ALL	479820.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
507	ALL	479870.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
508	ALL	479920.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
509	ALL	479970.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
510	ALL	477970.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
511	ALL	478020.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
512	ALL	478070.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
513	ALL	478120.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
514	ALL	478170.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
515	ALL	478220.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
516	ALL	478270.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
517	ALL	478320.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
518	ALL	478370.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
519	ALL	478420.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
520	ALL	478470.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
521	ALL	478520.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
522	ALL	478570.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
523	ALL	478620.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
524	ALL	478670.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
525	ALL	478720.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04
526	ALL	478770.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
527	ALL	478820.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
528	ALL	478870.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04
529	ALL	478920.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04
530	ALL	478970.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
531	ALL	479020.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04
532	ALL	479070.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04
533	ALL	479120.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04
534	ALL	479170.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04
535	ALL	479220.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04
536	ALL	479270.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04
537	ALL	479320.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04
538	ALL	479370.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04
539	ALL	479420.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
540	ALL	479470.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04
541	ALL	479520.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
542	ALL	479570.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
543	ALL	479620.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
544	ALL	479670.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
545	ALL	479720.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
546	ALL	479770.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
547	ALL	479820.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
548	ALL	479870.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04

549	ALL	479920.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
550	ALL	479970.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04
551	ALL	477970.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
552	ALL	478020.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04
553	ALL	478070.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
554	ALL	478120.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
555	ALL	478170.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
556	ALL	478220.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
557	ALL	478270.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
558	ALL	478320.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
559	ALL	478370.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
560	ALL	478420.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
561	ALL	478470.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
562	ALL	478520.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
563	ALL	478570.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
564	ALL	478620.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
565	ALL	478670.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
566	ALL	478720.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04
567	ALL	478770.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
568	ALL	478820.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04
569	ALL	478870.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
570	ALL	478920.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
571	ALL	478970.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04
572	ALL	479020.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
573	ALL	479070.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
574	ALL	479120.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
575	ALL	479170.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04
576	ALL	479220.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
577	ALL	479270.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
578	ALL	479320.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04
579	ALL	479370.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
580	ALL	479420.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
581	ALL	479470.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
582	ALL	479520.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04
583	ALL	479570.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
584	ALL	479620.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
585	ALL	479670.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
586	ALL	479720.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
587	ALL	479770.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
588	ALL	479820.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
589	ALL	479870.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
590	ALL	479920.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
591	ALL	479970.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
592	ALL	477970.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
593	ALL	478020.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
594	ALL	478070.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
595	ALL	478120.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
596	ALL	478170.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
597	ALL	478220.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
598	ALL	478270.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04

599 ALL	478320.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
600 ALL	478370.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
601 ALL	478420.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
602 ALL	478470.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-04
603 ALL	478520.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
604 ALL	478570.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
605 ALL	478620.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
606 ALL	478670.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
607 ALL	478720.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
608 ALL	478770.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
609 ALL	478820.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04
610 ALL	478870.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
611 ALL	478920.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
612 ALL	478970.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04
613 ALL	479020.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
614 ALL	479070.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
615 ALL	479120.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
616 ALL	479170.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
617 ALL	479220.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
618 ALL	479270.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
619 ALL	479320.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
620 ALL	479370.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
621 ALL	479420.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
622 ALL	479470.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04
623 ALL	479520.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
624 ALL	479570.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04
625 ALL	479620.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
626 ALL	479670.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
627 ALL	479720.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
628 ALL	479770.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
629 ALL	479820.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
630 ALL	479870.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
631 ALL	479920.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
632 ALL	479970.4	3775140 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
633 ALL	477970.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
634 ALL	478020.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
635 ALL	478070.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
636 ALL	478120.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
637 ALL	478170.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
638 ALL	478220.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
639 ALL	478270.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
640 ALL	478320.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
641 ALL	478370.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
642 ALL	478420.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
643 ALL	478470.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
644 ALL	478520.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
645 ALL	478570.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
646 ALL	478620.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
647 ALL	478670.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-04
648 ALL	478720.4	3775190 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04

649	ALL	478770.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
650	ALL	478820.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
651	ALL	478870.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
652	ALL	478920.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
653	ALL	478970.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
654	ALL	479020.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
655	ALL	479070.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
656	ALL	479120.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
657	ALL	479170.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
658	ALL	479220.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
659	ALL	479270.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
660	ALL	479320.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
661	ALL	479370.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
662	ALL	479420.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
663	ALL	479470.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
664	ALL	479520.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
665	ALL	479570.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04
666	ALL	479620.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
667	ALL	479670.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
668	ALL	479720.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
669	ALL	479770.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
670	ALL	479820.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
671	ALL	479870.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
672	ALL	479920.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
673	ALL	479970.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
674	ALL	477970.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
675	ALL	478020.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
676	ALL	478070.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
677	ALL	478120.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
678	ALL	478170.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
679	ALL	478220.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
680	ALL	478270.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
681	ALL	478320.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
682	ALL	478370.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
683	ALL	478420.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
684	ALL	478470.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
685	ALL	478520.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
686	ALL	478570.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
687	ALL	478620.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
688	ALL	478670.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
689	ALL	478720.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
690	ALL	478770.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
691	ALL	478820.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
692	ALL	478870.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
693	ALL	478920.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
694	ALL	478970.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
695	ALL	479020.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
696	ALL	479070.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
697	ALL	479120.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
698	ALL	479170.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04

699	ALL	479220.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
700	ALL	479270.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
701	ALL	479320.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
702	ALL	479370.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
703	ALL	479420.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
704	ALL	479470.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
705	ALL	479520.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
706	ALL	479570.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
707	ALL	479620.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
708	ALL	479670.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
709	ALL	479720.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04
710	ALL	479770.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
711	ALL	479820.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
712	ALL	479870.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
713	ALL	479920.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
714	ALL	479970.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
715	ALL	477970.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
716	ALL	478020.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
717	ALL	478070.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
718	ALL	478120.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
719	ALL	478170.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
720	ALL	478220.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
721	ALL	478270.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
722	ALL	478320.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
723	ALL	478370.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
724	ALL	478420.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
725	ALL	478470.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
726	ALL	478520.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
727	ALL	478570.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
728	ALL	478620.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04
729	ALL	478670.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
730	ALL	478720.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
731	ALL	478770.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
732	ALL	478820.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
733	ALL	478870.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
734	ALL	478920.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
735	ALL	478970.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
736	ALL	479020.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
737	ALL	479070.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
738	ALL	479120.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
739	ALL	479170.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
740	ALL	479220.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
741	ALL	479270.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
742	ALL	479320.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
743	ALL	479370.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
744	ALL	479420.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
745	ALL	479470.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
746	ALL	479520.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
747	ALL	479570.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
748	ALL	479620.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04

749	ALL	479670.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
750	ALL	479720.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
751	ALL	479770.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
752	ALL	479820.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
753	ALL	479870.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
754	ALL	479920.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
755	ALL	479970.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
756	ALL	477970.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
757	ALL	478020.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
758	ALL	478070.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
759	ALL	478120.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
760	ALL	478170.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
761	ALL	478220.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
762	ALL	478270.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
763	ALL	478320.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
764	ALL	478370.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
765	ALL	478420.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04
766	ALL	478470.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
767	ALL	478520.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
768	ALL	478570.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04
769	ALL	478620.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
770	ALL	478670.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
771	ALL	478720.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
772	ALL	478770.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
773	ALL	478820.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
774	ALL	478870.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
775	ALL	478920.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
776	ALL	478970.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
777	ALL	479020.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
778	ALL	479070.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
779	ALL	479120.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
780	ALL	479170.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
781	ALL	479220.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
782	ALL	479270.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04
783	ALL	479320.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
784	ALL	479370.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
785	ALL	479420.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
786	ALL	479470.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
787	ALL	479520.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
788	ALL	479570.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
789	ALL	479620.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
790	ALL	479670.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
791	ALL	479720.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
792	ALL	479770.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
793	ALL	479820.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
794	ALL	479870.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
795	ALL	479920.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
796	ALL	479970.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
797	ALL	477970.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
798	ALL	478020.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04

799	ALL	478070.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
800	ALL	478120.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
801	ALL	478170.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04
802	ALL	478220.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
803	ALL	478270.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
804	ALL	478320.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04
805	ALL	478370.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
806	ALL	478420.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
807	ALL	478470.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
808	ALL	478520.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
809	ALL	478570.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
810	ALL	478620.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
811	ALL	478670.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
812	ALL	478720.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
813	ALL	478770.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-04
814	ALL	478820.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-04
815	ALL	478870.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
816	ALL	478920.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
817	ALL	478970.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
818	ALL	479020.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
819	ALL	479070.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
820	ALL	479120.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
821	ALL	479170.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
822	ALL	479220.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
823	ALL	479270.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
824	ALL	479320.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
825	ALL	479370.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
826	ALL	479420.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
827	ALL	479470.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04
828	ALL	479520.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
829	ALL	479570.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
830	ALL	479620.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
831	ALL	479670.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
832	ALL	479720.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
833	ALL	479770.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
834	ALL	479820.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
835	ALL	479870.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
836	ALL	479920.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
837	ALL	479970.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
838	ALL	477970.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
839	ALL	478020.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04
840	ALL	478070.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
841	ALL	478120.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-04
842	ALL	478170.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
843	ALL	478220.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
844	ALL	478270.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
845	ALL	478320.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
846	ALL	478370.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
847	ALL	478420.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
848	ALL	478470.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04

849	ALL	478520.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
850	ALL	478570.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-04
851	ALL	478620.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
852	ALL	478670.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
853	ALL	478720.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
854	ALL	478770.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
855	ALL	478820.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
856	ALL	478870.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
857	ALL	478920.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
858	ALL	478970.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
859	ALL	479020.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
860	ALL	479070.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
861	ALL	479120.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
862	ALL	479170.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
863	ALL	479220.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
864	ALL	479270.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
865	ALL	479320.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
866	ALL	479370.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
867	ALL	479420.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
868	ALL	479470.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
869	ALL	479520.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-04
870	ALL	479570.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
871	ALL	479620.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
872	ALL	479670.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
873	ALL	479720.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
874	ALL	479770.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
875	ALL	479820.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
876	ALL	479870.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
877	ALL	479920.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
878	ALL	479970.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
879	ALL	477970.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
880	ALL	478020.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
881	ALL	478070.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
882	ALL	478120.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
883	ALL	478170.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
884	ALL	478220.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
885	ALL	478270.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
886	ALL	478320.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
887	ALL	478370.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
888	ALL	478420.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
889	ALL	478470.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
890	ALL	478520.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
891	ALL	478570.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04
892	ALL	478620.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
893	ALL	478670.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-04
894	ALL	478720.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
895	ALL	478770.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
896	ALL	478820.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
897	ALL	478870.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04
898	ALL	478920.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04

899	ALL	478970.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
900	ALL	479020.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
901	ALL	479070.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04
902	ALL	479120.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
903	ALL	479170.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
904	ALL	479220.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
905	ALL	479270.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
906	ALL	479320.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
907	ALL	479370.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
908	ALL	479420.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
909	ALL	479470.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
910	ALL	479520.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
911	ALL	479570.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
912	ALL	479620.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
913	ALL	479670.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
914	ALL	479720.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
915	ALL	479770.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
916	ALL	479820.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
917	ALL	479870.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
918	ALL	479920.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
919	ALL	479970.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
920	ALL	477970.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
921	ALL	478020.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
922	ALL	478070.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-04
923	ALL	478120.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
924	ALL	478170.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
925	ALL	478220.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04
926	ALL	478270.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
927	ALL	478320.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
928	ALL	478370.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
929	ALL	478420.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
930	ALL	478470.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
931	ALL	478520.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04
932	ALL	478570.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
933	ALL	478620.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
934	ALL	478670.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
935	ALL	478720.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
936	ALL	478770.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-04
937	ALL	478820.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
938	ALL	478870.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04
939	ALL	478920.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-04
940	ALL	478970.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
941	ALL	479020.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
942	ALL	479070.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
943	ALL	479120.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
944	ALL	479170.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
945	ALL	479220.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
946	ALL	479270.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
947	ALL	479320.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04
948	ALL	479370.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04

949	ALL	479420.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
950	ALL	479470.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
951	ALL	479520.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
952	ALL	479570.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
953	ALL	479620.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
954	ALL	479670.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
955	ALL	479720.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
956	ALL	479770.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
957	ALL	479820.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
958	ALL	479870.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
959	ALL	479920.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
960	ALL	479970.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
961	ALL	478861.4	3774619	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
962	ALL	478791.5	3774518	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
963	ALL	478789.7	3774444	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
964	ALL	478748.8	3774450	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
965	ALL	479103.5	3774681	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
966	ALL	479094.5	3774696	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
967	ALL	479077.3	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
968	ALL	479101.5	3774732	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-04
969	ALL	479782.9	3774152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-03
970	ALL	479890.1	3774169	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
971	ALL	479890.1	3774137	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-03
972	ALL	479913.7	3774138	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
973	ALL	479911.2	3774168	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03
974	ALL	479885.8	3774065	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03
975	ALL	480148.5	3774029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
976	ALL	480198.5	3774029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
977	ALL	480248.5	3774029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
978	ALL	480298.5	3774029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
979	ALL	480348.5	3774029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
980	ALL	480398.5	3774029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
981	ALL	480448.5	3774029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
982	ALL	480498.5	3774029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
983	ALL	480098.5	3774079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
984	ALL	480148.5	3774079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
985	ALL	480198.5	3774079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
986	ALL	480248.5	3774079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
987	ALL	480298.5	3774079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
988	ALL	480348.5	3774079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
989	ALL	480398.5	3774079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
990	ALL	480448.5	3774079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
991	ALL	480498.5	3774079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
992	ALL	479998.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-03
993	ALL	480048.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03
994	ALL	480098.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
995	ALL	480148.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
996	ALL	480198.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
997	ALL	480248.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
998	ALL	480298.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03

999	ALL	480348.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
1000	ALL	480398.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
1001	ALL	480448.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
1002	ALL	480498.5	3774129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1003	ALL	479998.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03
1004	ALL	480048.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
1005	ALL	480098.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
1006	ALL	480148.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
1007	ALL	480198.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
1008	ALL	480248.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1009	ALL	480298.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
1010	ALL	480348.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
1011	ALL	480398.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
1012	ALL	480448.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1013	ALL	480498.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
1014	ALL	479998.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
1015	ALL	480048.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
1016	ALL	480098.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
1017	ALL	480148.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
1018	ALL	480198.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
1019	ALL	480248.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
1020	ALL	480298.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
1021	ALL	480348.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1022	ALL	480398.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
1023	ALL	480448.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04
1024	ALL	480498.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04
1025	ALL	479998.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
1026	ALL	480048.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
1027	ALL	480098.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1028	ALL	480148.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
1029	ALL	480198.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
1030	ALL	480248.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
1031	ALL	480298.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
1032	ALL	480348.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-04
1033	ALL	480398.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04
1034	ALL	480448.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04
1035	ALL	480498.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04
1036	ALL	479998.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
1037	ALL	480048.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
1038	ALL	480098.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
1039	ALL	480148.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
1040	ALL	480198.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-04
1041	ALL	480248.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04
1042	ALL	480298.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-04
1043	ALL	480348.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04
1044	ALL	480398.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04
1045	ALL	480448.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04
1046	ALL	480498.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04
1047	ALL	479998.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04
1048	ALL	480048.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04

1049	ALL	480098.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04
1050	ALL	480148.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04
1051	ALL	480198.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-04
1052	ALL	480248.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04
1053	ALL	480298.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04
1054	ALL	480348.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04
1055	ALL	480398.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04
1056	ALL	480448.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04
1057	ALL	480498.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04
1058	ALL	479998.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04
1059	ALL	480048.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-04
1060	ALL	480098.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04
1061	ALL	480148.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04
1062	ALL	480198.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04
1063	ALL	480248.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04
1064	ALL	480298.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04
1065	ALL	480348.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04
1066	ALL	480398.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04
1067	ALL	480448.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04
1068	ALL	480498.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04
1069	ALL	479998.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04
1070	ALL	480048.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04
1071	ALL	480098.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
1072	ALL	480148.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-04
1073	ALL	480198.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04
1074	ALL	480248.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04
1075	ALL	480298.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04
1076	ALL	480348.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04
1077	ALL	480398.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
1078	ALL	480448.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
1079	ALL	480498.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
1080	ALL	479998.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04
1081	ALL	480048.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04
1082	ALL	480098.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04
1083	ALL	480148.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04
1084	ALL	480198.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
1085	ALL	480248.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
1086	ALL	480298.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04
1087	ALL	480348.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
1088	ALL	480398.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
1089	ALL	480448.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
1090	ALL	480498.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
1091	ALL	479998.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04
1092	ALL	480048.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04
1093	ALL	480098.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
1094	ALL	480148.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04
1095	ALL	480198.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04
1096	ALL	480248.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
1097	ALL	480298.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04
1098	ALL	480348.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04

1099	ALL	480398.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
1100	ALL	480448.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
1101	ALL	480498.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
1102	ALL	479998.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
1103	ALL	480048.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
1104	ALL	480098.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1105	ALL	480148.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
1106	ALL	480198.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
1107	ALL	480248.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
1108	ALL	480298.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
1109	ALL	480348.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
1110	ALL	480398.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
1111	ALL	480448.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
1112	ALL	480498.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
1113	ALL	479998.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04
1114	ALL	480048.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
1115	ALL	480098.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
1116	ALL	480148.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
1117	ALL	480198.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
1118	ALL	480248.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
1119	ALL	480298.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
1120	ALL	480348.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
1121	ALL	480398.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
1122	ALL	480448.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
1123	ALL	480498.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04
1124	ALL	479998.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
1125	ALL	480048.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1126	ALL	480098.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
1127	ALL	480148.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04
1128	ALL	480198.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
1129	ALL	480248.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
1130	ALL	480298.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
1131	ALL	480348.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
1132	ALL	480398.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04
1133	ALL	480448.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
1134	ALL	480498.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
1135	ALL	479998.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
1136	ALL	480048.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
1137	ALL	480098.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
1138	ALL	480148.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04
1139	ALL	480198.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
1140	ALL	480248.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
1141	ALL	480298.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
1142	ALL	480348.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
1143	ALL	480398.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04
1144	ALL	480448.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
1145	ALL	480498.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-04
1146	ALL	479998.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
1147	ALL	480048.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
1148	ALL	480098.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04

1149	ALL	480148.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
1150	ALL	480198.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
1151	ALL	480248.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-04
1152	ALL	480298.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04
1153	ALL	480348.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
1154	ALL	480398.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
1155	ALL	480448.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
1156	ALL	480498.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
1157	ALL	479998.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
1158	ALL	480048.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
1159	ALL	480098.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
1160	ALL	480148.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
1161	ALL	480198.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
1162	ALL	480248.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
1163	ALL	480298.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04
1164	ALL	480348.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04
1165	ALL	480398.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
1166	ALL	480448.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04
1167	ALL	480498.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-04
1168	ALL	479998.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
1169	ALL	480048.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04
1170	ALL	480098.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
1171	ALL	480148.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
1172	ALL	480198.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
1173	ALL	480248.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
1174	ALL	480298.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
1175	ALL	480348.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
1176	ALL	480398.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-04
1177	ALL	480448.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04
1178	ALL	480498.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
1179	ALL	479998.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
1180	ALL	480048.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04
1181	ALL	480098.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
1182	ALL	480148.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
1183	ALL	480198.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
1184	ALL	480248.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
1185	ALL	480298.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04
1186	ALL	480348.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1187	ALL	480398.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1188	ALL	480448.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04
1189	ALL	480498.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
1190	ALL	479998.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
1191	ALL	480048.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04
1192	ALL	480098.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04
1193	ALL	480148.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04
1194	ALL	480198.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
1195	ALL	480248.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
1196	ALL	480298.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1197	ALL	480348.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1198	ALL	480398.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04

1199	ALL	480448.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
1200	ALL	480498.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1201	ALL	479998.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
1202	ALL	480048.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
1203	ALL	480098.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04
1204	ALL	480148.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
1205	ALL	480198.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
1206	ALL	480248.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1207	ALL	480298.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1208	ALL	480348.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1209	ALL	480398.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1210	ALL	480448.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1211	ALL	480498.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1212	ALL	479998.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04
1213	ALL	480048.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04
1214	ALL	480098.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04
1215	ALL	480148.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
1216	ALL	480198.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
1217	ALL	480248.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
1218	ALL	480298.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04
1219	ALL	480348.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04
1220	ALL	480398.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
1221	ALL	480448.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04
1222	ALL	480498.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04
1223	ALL	479998.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
1224	ALL	480048.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
1225	ALL	480098.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1226	ALL	480148.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-04
1227	ALL	480198.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04
1228	ALL	480248.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1229	ALL	480298.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1230	ALL	480348.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1231	ALL	480398.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1232	ALL	480448.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1233	ALL	480498.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1234	ALL	479998.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
1235	ALL	480048.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
1236	ALL	480098.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
1237	ALL	480148.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
1238	ALL	480198.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
1239	ALL	480248.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1240	ALL	480298.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
1241	ALL	480348.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1242	ALL	480398.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1243	ALL	480448.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1244	ALL	480498.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04
1245	ALL	479998.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
1246	ALL	480048.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04
1247	ALL	480098.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
1248	ALL	480148.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04

1249	ALL	480198.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
1250	ALL	480248.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1251	ALL	480298.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1252	ALL	480348.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1253	ALL	480398.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1254	ALL	480448.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04
1255	ALL	480498.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1256	ALL	479998.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1257	ALL	480048.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
1258	ALL	480098.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
1259	ALL	480148.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
1260	ALL	480198.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
1261	ALL	480248.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1262	ALL	480298.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1263	ALL	480348.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
1264	ALL	480398.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1265	ALL	480448.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
1266	ALL	480498.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
1267	ALL	479998.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
1268	ALL	480048.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1269	ALL	480098.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1270	ALL	480148.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1271	ALL	480198.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-04
1272	ALL	480248.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
1273	ALL	480298.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1274	ALL	480348.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1275	ALL	480398.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1276	ALL	480448.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
1277	ALL	480498.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1278	ALL	479998.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
1279	ALL	480048.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
1280	ALL	480098.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1281	ALL	480148.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1282	ALL	480198.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04
1283	ALL	480248.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1284	ALL	480298.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1285	ALL	480348.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1286	ALL	480398.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1287	ALL	480448.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1288	ALL	480498.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1289	ALL	479998.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04
1290	ALL	480048.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1291	ALL	480098.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04
1292	ALL	480148.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
1293	ALL	480198.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
1294	ALL	480248.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
1295	ALL	480298.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
1296	ALL	480348.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1297	ALL	480398.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
1298	ALL	480448.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04

1299	ALL	480498.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
																			8.98E-03

Operational HRA Files

AERMOD ADO
HARP2

```
** Lakes Environmental AERMOD MPI
**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 1/9/2023
** File: C:\Users\dtlar\OneDrive\Desktop\work models\5thVictoriaOp\5thVictoriaOp.ADI
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**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Drake Warehouse Construction HRA
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2035210 San_Bernardino
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL 5thVictoriaOp.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = ONSITE
** DESCRSRC All onsite truck trips
** PREFIX
** Length of Side = 13.40
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 479326.865, 3774027.452, 349.16, 3.40, 6.23
** 479329.935, 3774192.691, 350.00, 3.40, 6.23
** ------------------------------------------------------------------
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   LOCATION L0000001     VOLUME   479326.990 3774034.151 349.24
   LOCATION L0000002     VOLUME   479327.238 3774047.549 349.25
   LOCATION L0000003     VOLUME   479327.487 3774060.947 349.25
   LOCATION L0000004     VOLUME   479327.736 3774074.344 349.26
   LOCATION L0000005     VOLUME   479327.985 3774087.742 349.55
   LOCATION L0000006     VOLUME   479328.234 3774101.140 349.88
   LOCATION L0000007     VOLUME   479328.483 3774114.537 350.00
   LOCATION L0000008     VOLUME   479328.732 3774127.935 350.00
   LOCATION L0000009     VOLUME   479328.981 3774141.333 350.00
   LOCATION L0000010     VOLUME   479329.229 3774154.730 350.00
   LOCATION L0000011     VOLUME   479329.478 3774168.128 350.00
   LOCATION L0000012     VOLUME   479329.727 3774181.526 350.00
** End of LINE VOLUME Source ID = ONSITE
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = IDLE
** DESCRSRC All truck bay idle emissions
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 8.00
** SZINIT = 3.72
** Nodes = 2
** 479301.286, 3774158.927, 349.76, 4.00, 4.00
** 479301.286, 3774058.147, 348.93, 4.00, 4.00
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   LOCATION L0002507     VOLUME   479301.286 3774154.627 349.76
   LOCATION L0002508     VOLUME   479301.286 3774146.027 349.58
   LOCATION L0002509     VOLUME   479301.286 3774137.427 349.40
   LOCATION L0002510     VOLUME   479301.286 3774128.827 349.38
   LOCATION L0002511     VOLUME   479301.286 3774120.227 349.38
   LOCATION L0002512     VOLUME   479301.286 3774111.627 349.38
   LOCATION L0002513     VOLUME   479301.286 3774103.027 349.34
   LOCATION L0002514     VOLUME   479301.286 3774094.427 349.23
   LOCATION L0002515     VOLUME   479301.286 3774085.827 349.12
   LOCATION L0002516     VOLUME   479301.286 3774077.227 349.01
   LOCATION L0002517     VOLUME   479301.286 3774068.627 349.00
   LOCATION L0002518     VOLUME   479301.286 3774060.027 349.00
** End of LINE VOLUME Source ID = IDLE
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCK1
** DESCRSRC Truck traffic for 5th St entrance
** PREFIX
** Length of Side = 13.40
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
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** Nodes = 5
** 479329.149, 3774206.729, 350.00, 3.40, 6.23
** 479942.951, 3774204.139, 354.05, 3.40, 6.23
** 480735.456, 3774139.392, 363.05, 3.40, 6.23
** 481147.248, 3774113.493, 367.95, 3.40, 6.23
** 481644.506, 3774144.572, 373.94, 3.40, 6.23
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   LOCATION L0002520     VOLUME   479349.248 3774206.644 350.00
   LOCATION L0002521     VOLUME   479362.648 3774206.588 350.00
   LOCATION L0002522     VOLUME   479376.048 3774206.531 350.00
   LOCATION L0002523     VOLUME   479389.448 3774206.474 350.11
   LOCATION L0002524     VOLUME   479402.848 3774206.418 350.26
   LOCATION L0002525     VOLUME   479416.248 3774206.361 350.48
   LOCATION L0002526     VOLUME   479429.648 3774206.305 350.77
   LOCATION L0002527     VOLUME   479443.048 3774206.248 351.00
   LOCATION L0002528     VOLUME   479456.447 3774206.192 351.00
   LOCATION L0002529     VOLUME   479469.847 3774206.135 351.00
   LOCATION L0002530     VOLUME   479483.247 3774206.079 351.00
   LOCATION L0002531     VOLUME   479496.647 3774206.022 351.00
   LOCATION L0002532     VOLUME   479510.047 3774205.966 351.34
   LOCATION L0002533     VOLUME   479523.447 3774205.909 351.79
   LOCATION L0002534     VOLUME   479536.847 3774205.852 352.00
   LOCATION L0002535     VOLUME   479550.247 3774205.796 352.00
   LOCATION L0002536     VOLUME   479563.647 3774205.739 352.00
   LOCATION L0002537     VOLUME   479577.046 3774205.683 352.00
   LOCATION L0002538     VOLUME   479590.446 3774205.626 352.00
   LOCATION L0002539     VOLUME   479603.846 3774205.570 352.00
   LOCATION L0002540     VOLUME   479617.246 3774205.513 352.00
   LOCATION L0002541     VOLUME   479630.646 3774205.457 352.36
   LOCATION L0002542     VOLUME   479644.046 3774205.400 352.81
   LOCATION L0002543     VOLUME   479657.446 3774205.344 353.00
   LOCATION L0002544     VOLUME   479670.846 3774205.287 353.00
   LOCATION L0002545     VOLUME   479684.245 3774205.231 353.00
   LOCATION L0002546     VOLUME   479697.645 3774205.174 353.00
   LOCATION L0002547     VOLUME   479711.045 3774205.117 353.00
   LOCATION L0002548     VOLUME   479724.445 3774205.061 353.00
   LOCATION L0002549     VOLUME   479737.845 3774205.004 353.00
   LOCATION L0002550     VOLUME   479751.245 3774204.948 353.11
   LOCATION L0002551     VOLUME   479764.645 3774204.891 353.24
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   LOCATION L0002553     VOLUME   479791.445 3774204.778 353.28
   LOCATION L0002554     VOLUME   479804.844 3774204.722 353.28
   LOCATION L0002555     VOLUME   479818.244 3774204.665 353.28
   LOCATION L0002556     VOLUME   479831.644 3774204.609 353.32
   LOCATION L0002557     VOLUME   479845.044 3774204.552 353.64
   LOCATION L0002558     VOLUME   479858.444 3774204.496 353.97
   LOCATION L0002559     VOLUME   479871.844 3774204.439 354.00
   LOCATION L0002560     VOLUME   479885.244 3774204.382 354.00
   LOCATION L0002561     VOLUME   479898.644 3774204.326 354.00
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LOCATION L0002562 VOLUME 479912.043 3774204.269 354.00
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LOCATION L0002564 VOLUME 479938.843 3774204.156 354.00
LOCATION L0002565 VOLUME 479952.212 3774203.382 354.08
LOCATION L0002566 VOLUME 479965.568 3774202.291 354.52
LOCATION L0002567 VOLUME 479978.923 3774201.200 354.97
LOCATION L0002568 VOLUME 479992.279 3774200.109 355.05
LOCATION L0002569 VOLUME 480005.634 3774199.018 355.08
LOCATION L0002570 VOLUME 480018.990 3774197.927 355.34
LOCATION L0002571 VOLUME 480032.345 3774196.836 355.75
LOCATION L0002572 VOLUME 480045.701 3774195.744 356.00
LOCATION L0002573 VOLUME 480059.056 3774194.653 356.00
LOCATION L0002574 VOLUME 480072.412 3774193.562 356.00
LOCATION L0002575 VOLUME 480085.767 3774192.471 356.00
LOCATION L0002576 VOLUME 480099.123 3774191.380 356.00
LOCATION L0002577 VOLUME 480112.478 3774190.289 356.42
LOCATION L0002578 VOLUME 480125.834 3774189.198 356.87
LOCATION L0002579 VOLUME 480139.189 3774188.106 357.00
LOCATION L0002580 VOLUME 480152.545 3774187.015 357.00
LOCATION L0002581 VOLUME 480165.900 3774185.924 357.00
LOCATION L0002582 VOLUME 480179.256 3774184.833 357.00
LOCATION L0002583 VOLUME 480192.611 3774183.742 357.09
LOCATION L0002584 VOLUME 480205.967 3774182.651 357.54
LOCATION L0002585 VOLUME 480219.322 3774181.560 357.98
LOCATION L0002586 VOLUME 480232.678 3774180.469 358.00
LOCATION L0002587 VOLUME 480246.033 3774179.377 358.00
LOCATION L0002588 VOLUME 480259.389 3774178.286 358.00
LOCATION L0002589 VOLUME 480272.744 3774177.195 358.00
LOCATION L0002590 VOLUME 480286.100 3774176.104 358.21
LOCATION L0002591 VOLUME 480299.455 3774175.013 358.65
LOCATION L0002592 VOLUME 480312.811 3774173.922 359.00
LOCATION L0002593 VOLUME 480326.166 3774172.831 359.00
LOCATION L0002594 VOLUME 480339.522 3774171.739 359.00
LOCATION L0002595 VOLUME 480352.877 3774170.648 359.00
LOCATION L0002596 VOLUME 480366.233 3774169.557 359.00
LOCATION L0002597 VOLUME 480379.588 3774168.466 359.02
LOCATION L0002598 VOLUME 480392.944 3774167.375 359.03
LOCATION L0002599 VOLUME 480406.299 3774166.284 359.21
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LOCATION L0002601 VOLUME 480433.010 3774164.101 360.00
LOCATION L0002602 VOLUME 480446.366 3774163.010 360.00
LOCATION L0002603 VOLUME 480459.721 3774161.919 360.00
LOCATION L0002604 VOLUME 480473.077 3774160.828 360.00
LOCATION L0002605 VOLUME 480486.432 3774159.737 360.00
LOCATION L0002606 VOLUME 480499.788 3774158.646 360.33
LOCATION L0002607 VOLUME 480513.143 3774157.555 360.78
LOCATION L0002608 VOLUME 480526.499 3774156.464 361.00
LOCATION L0002609 VOLUME 480539.854 3774155.372 361.00
LOCATION L0002610 VOLUME 480553.210 3774154.281 361.11
LOCATION L0002611 VOLUME 480566.565 3774153.190 361.56

LOCATION L0002612 VOLUME 480579.921 3774152.099 362.00
LOCATION L0002613 VOLUME 480593.276 3774151.008 362.00
LOCATION L0002614 VOLUME 480606.632 3774149.917 362.00
LOCATION L0002615 VOLUME 480619.987 3774148.826 362.00
LOCATION L0002616 VOLUME 480633.343 3774147.734 362.00
LOCATION L0002617 VOLUME 480646.698 3774146.643 362.15
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LOCATION L0002621 VOLUME 480700.120 3774142.279 363.00
LOCATION L0002622 VOLUME 480713.476 3774141.188 363.00
LOCATION L0002623 VOLUME 480726.831 3774140.096 363.00
LOCATION L0002624 VOLUME 480740.193 3774139.094 363.31
LOCATION L0002625 VOLUME 480753.567 3774138.253 363.74
LOCATION L0002626 VOLUME 480766.940 3774137.412 363.97
LOCATION L0002627 VOLUME 480780.314 3774136.571 364.00
LOCATION L0002628 VOLUME 480793.688 3774135.729 364.00
LOCATION L0002629 VOLUME 480807.061 3774134.888 364.00
LOCATION L0002630 VOLUME 480820.435 3774134.047 364.00
LOCATION L0002631 VOLUME 480833.808 3774133.206 364.05
LOCATION L0002632 VOLUME 480847.182 3774132.365 364.12
LOCATION L0002633 VOLUME 480860.555 3774131.524 364.46
LOCATION L0002634 VOLUME 480873.929 3774130.683 364.84
LOCATION L0002635 VOLUME 480887.303 3774129.842 365.00
LOCATION L0002636 VOLUME 480900.676 3774129.001 365.00
LOCATION L0002637 VOLUME 480914.050 3774128.160 365.00
LOCATION L0002638 VOLUME 480927.423 3774127.318 365.00
LOCATION L0002639 VOLUME 480940.797 3774126.477 365.03
LOCATION L0002640 VOLUME 480954.171 3774125.636 365.48
LOCATION L0002641 VOLUME 480967.544 3774124.795 365.92
LOCATION L0002642 VOLUME 480980.918 3774123.954 366.00
LOCATION L0002643 VOLUME 480994.291 3774123.113 366.00
LOCATION L0002644 VOLUME 481007.665 3774122.272 366.00
LOCATION L0002645 VOLUME 481021.038 3774121.431 366.00
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LOCATION L0002647 VOLUME 481047.786 3774119.748 366.60
LOCATION L0002648 VOLUME 481061.159 3774118.907 367.00
LOCATION L0002649 VOLUME 481074.533 3774118.066 367.00
LOCATION L0002650 VOLUME 481087.906 3774117.225 367.00
LOCATION L0002651 VOLUME 481101.280 3774116.384 367.00
LOCATION L0002652 VOLUME 481114.653 3774115.543 367.00
LOCATION L0002653 VOLUME 481128.027 3774114.702 367.27
LOCATION L0002654 VOLUME 481141.401 3774113.861 367.72
LOCATION L0002655 VOLUME 481154.774 3774113.963 368.00
LOCATION L0002656 VOLUME 481168.148 3774114.799 368.00
LOCATION L0002657 VOLUME 481181.522 3774115.635 368.00
LOCATION L0002658 VOLUME 481194.896 3774116.471 368.00
LOCATION L0002659 VOLUME 481208.270 3774117.307 368.00
LOCATION L0002660 VOLUME 481221.644 3774118.143 368.39
LOCATION L0002661 VOLUME 481235.018 3774118.979 368.84

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   LOCATION L0002664     VOLUME   481275.139 3774121.486 369.00
   LOCATION L0002665     VOLUME   481288.513 3774122.322 369.00
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   LOCATION L0002667     VOLUME   481315.261 3774123.994 369.51
   LOCATION L0002668     VOLUME   481328.635 3774124.830 369.96
   LOCATION L0002669     VOLUME   481342.009 3774125.666 370.00
   LOCATION L0002670     VOLUME   481355.383 3774126.501 370.00
   LOCATION L0002671     VOLUME   481368.757 3774127.337 370.00
   LOCATION L0002672     VOLUME   481382.131 3774128.173 370.00
   LOCATION L0002673     VOLUME   481395.505 3774129.009 370.19
   LOCATION L0002674     VOLUME   481408.879 3774129.845 370.63
   LOCATION L0002675     VOLUME   481422.252 3774130.681 371.00
   LOCATION L0002676     VOLUME   481435.626 3774131.517 371.00
   LOCATION L0002677     VOLUME   481449.000 3774132.352 371.00
   LOCATION L0002678     VOLUME   481462.374 3774133.188 371.04
   LOCATION L0002679     VOLUME   481475.748 3774134.024 371.06
   LOCATION L0002680     VOLUME   481489.122 3774134.860 371.34
   LOCATION L0002681     VOLUME   481502.496 3774135.696 371.76
   LOCATION L0002682     VOLUME   481515.870 3774136.532 372.00
   LOCATION L0002683     VOLUME   481529.244 3774137.368 372.00
   LOCATION L0002684     VOLUME   481542.618 3774138.204 372.00
   LOCATION L0002685     VOLUME   481555.991 3774139.039 372.00
   LOCATION L0002686     VOLUME   481569.365 3774139.875 372.00
   LOCATION L0002687     VOLUME   481582.739 3774140.711 372.43
   LOCATION L0002688     VOLUME   481596.113 3774141.547 372.87
   LOCATION L0002689     VOLUME   481609.487 3774142.383 373.25
   LOCATION L0002690     VOLUME   481622.861 3774143.219 373.59
   LOCATION L0002691     VOLUME   481636.235 3774144.055 373.79
** End of LINE VOLUME Source ID = TRUCK1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = TRUCK2
** DESCRSRC Truck traffic for 3rd St entrance
** PREFIX
** Length of Side = 13.40
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 6
** 479326.559, 3774015.077, 349.07, 3.40, 6.23
** 479930.002, 3773994.358, 354.21, 3.40, 6.23
** 480732.866, 3773945.150, 364.93, 3.40, 6.23
** 480738.046, 3774136.802, 363.10, 3.40, 6.23
** 481142.068, 3774113.493, 367.86, 3.40, 6.23
** 481724.793, 3774154.931, 374.42, 3.40, 6.23
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LOCATION L0002693 VOLUME 479346.647 3774014.388 349.89
LOCATION L0002694 VOLUME 479360.039 3774013.928 350.00
LOCATION L0002695 VOLUME 479373.431 3774013.468 350.00
LOCATION L0002696 VOLUME 479386.823 3774013.008 350.00
LOCATION L0002697 VOLUME 479400.215 3774012.548 350.00
LOCATION L0002698 VOLUME 479413.607 3774012.089 350.00
LOCATION L0002699 VOLUME 479427.000 3774011.629 350.00
LOCATION L0002700 VOLUME 479440.392 3774011.169 350.02
LOCATION L0002701 VOLUME 479453.784 3774010.709 350.46
LOCATION L0002702 VOLUME 479467.176 3774010.249 350.91
LOCATION L0002703 VOLUME 479480.568 3774009.789 351.00
LOCATION L0002704 VOLUME 479493.960 3774009.330 351.00
LOCATION L0002705 VOLUME 479507.352 3774008.870 351.00
LOCATION L0002706 VOLUME 479520.744 3774008.410 351.00
LOCATION L0002707 VOLUME 479534.136 3774007.950 351.10
LOCATION L0002708 VOLUME 479547.529 3774007.490 351.42
LOCATION L0002709 VOLUME 479560.921 3774007.031 351.70
LOCATION L0002710 VOLUME 479574.313 3774006.571 351.83
LOCATION L0002711 VOLUME 479587.705 3774006.111 351.98
LOCATION L0002712 VOLUME 479601.097 3774005.651 352.00
LOCATION L0002713 VOLUME 479614.489 3774005.191 352.00
LOCATION L0002714 VOLUME 479627.881 3774004.732 352.00
LOCATION L0002715 VOLUME 479641.273 3774004.272 352.00
LOCATION L0002716 VOLUME 479654.665 3774003.812 352.00
LOCATION L0002717 VOLUME 479668.057 3774003.352 352.00
LOCATION L0002718 VOLUME 479681.450 3774002.892 352.05
LOCATION L0002719 VOLUME 479694.842 3774002.432 352.50
LOCATION L0002720 VOLUME 479708.234 3774001.973 352.95
LOCATION L0002721 VOLUME 479721.626 3774001.513 353.00
LOCATION L0002722 VOLUME 479735.018 3774001.053 353.00
LOCATION L0002723 VOLUME 479748.410 3774000.593 353.00
LOCATION L0002724 VOLUME 479761.802 3774000.133 353.00
LOCATION L0002725 VOLUME 479775.194 3773999.674 353.00
LOCATION L0002726 VOLUME 479788.586 3773999.214 353.00
LOCATION L0002727 VOLUME 479801.979 3773998.754 353.00
LOCATION L0002728 VOLUME 479815.371 3773998.294 353.00
LOCATION L0002729 VOLUME 479828.763 3773997.834 353.00
LOCATION L0002730 VOLUME 479842.155 3773997.374 353.41
LOCATION L0002731 VOLUME 479855.547 3773996.915 353.86
LOCATION L0002732 VOLUME 479868.939 3773996.455 354.00
LOCATION L0002733 VOLUME 479882.331 3773995.995 354.00
LOCATION L0002734 VOLUME 479895.723 3773995.535 354.00
LOCATION L0002735 VOLUME 479909.115 3773995.075 354.00
LOCATION L0002736 VOLUME 479922.508 3773994.616 354.09
LOCATION L0002737 VOLUME 479935.892 3773993.997 354.53
LOCATION L0002738 VOLUME 479949.267 3773993.177 354.98
LOCATION L0002739 VOLUME 479962.642 3773992.358 355.00
LOCATION L0002740 VOLUME 479976.017 3773991.538 355.00
LOCATION L0002741 VOLUME 479989.392 3773990.718 355.00
LOCATION L0002742 VOLUME 480002.767 3773989.898 355.00

LOCATION L0002743 VOLUME 480016.142 3773989.079 355.21
LOCATION L0002744 VOLUME 480029.516 3773988.259 355.65
LOCATION L0002745 VOLUME 480042.891 3773987.439 356.00
LOCATION L0002746 VOLUME 480056.266 3773986.619 356.00
LOCATION L0002747 VOLUME 480069.641 3773985.800 356.00
LOCATION L0002748 VOLUME 480083.016 3773984.980 356.00
LOCATION L0002749 VOLUME 480096.391 3773984.160 356.00
LOCATION L0002750 VOLUME 480109.766 3773983.340 356.33
LOCATION L0002751 VOLUME 480123.141 3773982.521 356.78
LOCATION L0002752 VOLUME 480136.516 3773981.701 357.00
LOCATION L0002753 VOLUME 480149.891 3773980.881 357.00
LOCATION L0002754 VOLUME 480163.265 3773980.061 357.00
LOCATION L0002755 VOLUME 480176.640 3773979.242 357.00
LOCATION L0002756 VOLUME 480190.015 3773978.422 357.00
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LOCATION L0002758 VOLUME 480216.765 3773976.782 357.90
LOCATION L0002759 VOLUME 480230.140 3773975.963 358.00
LOCATION L0002760 VOLUME 480243.515 3773975.143 358.00
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LOCATION L0002762 VOLUME 480270.265 3773973.503 358.00
LOCATION L0002763 VOLUME 480283.640 3773972.684 358.00
LOCATION L0002764 VOLUME 480297.014 3773971.864 358.00
LOCATION L0002765 VOLUME 480310.389 3773971.044 358.02
LOCATION L0002766 VOLUME 480323.764 3773970.224 358.46
LOCATION L0002767 VOLUME 480337.139 3773969.405 358.91
LOCATION L0002768 VOLUME 480350.514 3773968.585 359.00
LOCATION L0002769 VOLUME 480363.889 3773967.765 359.00
LOCATION L0002770 VOLUME 480377.264 3773966.945 359.00
LOCATION L0002771 VOLUME 480390.639 3773966.126 359.00
LOCATION L0002772 VOLUME 480404.014 3773965.306 359.14
LOCATION L0002773 VOLUME 480417.389 3773964.486 359.58
LOCATION L0002774 VOLUME 480430.763 3773963.666 360.00
LOCATION L0002775 VOLUME 480444.138 3773962.847 360.00
LOCATION L0002776 VOLUME 480457.513 3773962.027 360.00
LOCATION L0002777 VOLUME 480470.888 3773961.207 360.37
LOCATION L0002778 VOLUME 480484.263 3773960.387 360.81
LOCATION L0002779 VOLUME 480497.638 3773959.568 361.00
LOCATION L0002780 VOLUME 480511.013 3773958.748 361.00
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LOCATION L0002783 VOLUME 480551.138 3773956.289 362.00
LOCATION L0002784 VOLUME 480564.512 3773955.469 362.00
LOCATION L0002785 VOLUME 480577.887 3773954.649 362.00
LOCATION L0002786 VOLUME 480591.262 3773953.829 362.03
LOCATION L0002787 VOLUME 480604.637 3773953.010 362.09
LOCATION L0002788 VOLUME 480618.012 3773952.190 362.37
LOCATION L0002789 VOLUME 480631.387 3773951.370 362.76
LOCATION L0002790 VOLUME 480644.762 3773950.550 363.16
LOCATION L0002791 VOLUME 480658.137 3773949.731 363.61
LOCATION L0002792 VOLUME 480671.512 3773948.911 364.00

LOCATION L0002793 VOLUME 480684.887 3773948.091 364.00
LOCATION L0002794 VOLUME 480698.262 3773947.271 364.00
LOCATION L0002795 VOLUME 480711.636 3773946.452 364.39
LOCATION L0002796 VOLUME 480725.011 3773945.632 364.84
LOCATION L0002797 VOLUME 480733.016 3773950.679 365.02
LOCATION L0002798 VOLUME 480733.378 3773964.074 364.77
LOCATION L0002799 VOLUME 480733.740 3773977.469 364.38
LOCATION L0002800 VOLUME 480734.102 3773990.864 364.12
LOCATION L0002801 VOLUME 480734.464 3774004.259 364.06
LOCATION L0002802 VOLUME 480734.826 3774017.654 364.00
LOCATION L0002803 VOLUME 480735.188 3774031.049 364.00
LOCATION L0002804 VOLUME 480735.550 3774044.444 364.00
LOCATION L0002805 VOLUME 480735.912 3774057.839 363.69
LOCATION L0002806 VOLUME 480736.274 3774071.234 363.34
LOCATION L0002807 VOLUME 480736.636 3774084.630 363.22
LOCATION L0002808 VOLUME 480736.998 3774098.025 363.24
LOCATION L0002809 VOLUME 480737.360 3774111.420 363.25
LOCATION L0002810 VOLUME 480737.722 3774124.815 363.26
LOCATION L0002811 VOLUME 480739.453 3774136.721 363.31
LOCATION L0002812 VOLUME 480752.830 3774135.949 363.76
LOCATION L0002813 VOLUME 480766.208 3774135.177 364.00
LOCATION L0002814 VOLUME 480779.586 3774134.405 364.00
LOCATION L0002815 VOLUME 480792.964 3774133.634 364.00
LOCATION L0002816 VOLUME 480806.341 3774132.862 364.00
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LOCATION L0002818 VOLUME 480833.097 3774131.318 364.07
LOCATION L0002819 VOLUME 480846.475 3774130.546 364.17
LOCATION L0002820 VOLUME 480859.852 3774129.775 364.48
LOCATION L0002821 VOLUME 480873.230 3774129.003 364.83
LOCATION L0002822 VOLUME 480886.608 3774128.231 365.00
LOCATION L0002823 VOLUME 480899.986 3774127.459 365.00
LOCATION L0002824 VOLUME 480913.363 3774126.688 365.00
LOCATION L0002825 VOLUME 480926.741 3774125.916 365.00
LOCATION L0002826 VOLUME 480940.119 3774125.144 365.01
LOCATION L0002827 VOLUME 480953.497 3774124.372 365.45
LOCATION L0002828 VOLUME 480966.874 3774123.600 365.90
LOCATION L0002829 VOLUME 480980.252 3774122.829 366.00
LOCATION L0002830 VOLUME 480993.630 3774122.057 366.00
LOCATION L0002831 VOLUME 481007.008 3774121.285 366.00
LOCATION L0002832 VOLUME 481020.385 3774120.513 366.00
LOCATION L0002833 VOLUME 481033.763 3774119.741 366.13
LOCATION L0002834 VOLUME 481047.141 3774118.970 366.57
LOCATION L0002835 VOLUME 481060.519 3774118.198 367.00
LOCATION L0002836 VOLUME 481073.896 3774117.426 367.00
LOCATION L0002837 VOLUME 481087.274 3774116.654 367.00
LOCATION L0002838 VOLUME 481100.652 3774115.882 367.00
LOCATION L0002839 VOLUME 481114.030 3774115.111 367.00
LOCATION L0002840 VOLUME 481127.407 3774114.339 367.25
LOCATION L0002841 VOLUME 481140.785 3774113.567 367.70
LOCATION L0002842 VOLUME 481154.153 3774114.352 368.00

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   LOCATION L0002843     VOLUME   481167.519 3774115.303 368.00
   LOCATION L0002844     VOLUME   481180.885 3774116.253 368.00
   LOCATION L0002845     VOLUME   481194.251 3774117.204 368.00
   LOCATION L0002846     VOLUME   481207.618 3774118.154 368.00
   LOCATION L0002847     VOLUME   481220.984 3774119.105 368.37
   LOCATION L0002848     VOLUME   481234.350 3774120.055 368.81
   LOCATION L0002849     VOLUME   481247.716 3774121.006 369.00
   LOCATION L0002850     VOLUME   481261.082 3774121.956 369.00
   LOCATION L0002851     VOLUME   481274.449 3774122.907 369.00
   LOCATION L0002852     VOLUME   481287.815 3774123.857 369.00
   LOCATION L0002853     VOLUME   481301.181 3774124.808 369.04
   LOCATION L0002854     VOLUME   481314.547 3774125.758 369.49
   LOCATION L0002855     VOLUME   481327.914 3774126.709 369.93
   LOCATION L0002856     VOLUME   481341.280 3774127.659 370.00
   LOCATION L0002857     VOLUME   481354.646 3774128.610 370.00
   LOCATION L0002858     VOLUME   481368.012 3774129.560 370.00
   LOCATION L0002859     VOLUME   481381.379 3774130.511 370.00
   LOCATION L0002860     VOLUME   481394.745 3774131.461 370.16
   LOCATION L0002861     VOLUME   481408.111 3774132.412 370.61
   LOCATION L0002862     VOLUME   481421.477 3774133.362 371.00
   LOCATION L0002863     VOLUME   481434.844 3774134.313 371.00
   LOCATION L0002864     VOLUME   481448.210 3774135.263 371.00
   LOCATION L0002865     VOLUME   481461.576 3774136.214 371.00
   LOCATION L0002866     VOLUME   481474.942 3774137.164 371.00
   LOCATION L0002867     VOLUME   481488.309 3774138.115 371.28
   LOCATION L0002868     VOLUME   481501.675 3774139.065 371.73
   LOCATION L0002869     VOLUME   481515.041 3774140.015 372.00
   LOCATION L0002870     VOLUME   481528.407 3774140.966 372.00
   LOCATION L0002871     VOLUME   481541.774 3774141.916 372.00
   LOCATION L0002872     VOLUME   481555.140 3774142.867 372.00
   LOCATION L0002873     VOLUME   481568.506 3774143.817 372.00
   LOCATION L0002874     VOLUME   481581.872 3774144.768 372.40
   LOCATION L0002875     VOLUME   481595.239 3774145.718 372.84
   LOCATION L0002876     VOLUME   481608.605 3774146.669 373.19
   LOCATION L0002877     VOLUME   481621.971 3774147.619 373.46
   LOCATION L0002878     VOLUME   481635.337 3774148.570 373.66
   LOCATION L0002879     VOLUME   481648.704 3774149.520 373.83
   LOCATION L0002880     VOLUME   481662.070 3774150.471 374.00
   LOCATION L0002881     VOLUME   481675.436 3774151.421 374.00
   LOCATION L0002882     VOLUME   481688.802 3774152.372 374.00
   LOCATION L0002883     VOLUME   481702.169 3774153.322 374.18
   LOCATION L0002884     VOLUME   481715.535 3774154.273 374.34
** End of LINE VOLUME Source ID = TRUCK2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = FORK
** DESCRSRC Forklift operations
** PREFIX
** Length of Side = 8.60
** Configuration = Adjacent
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** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 479312.751, 3774159.260, 350.00, 3.40, 4.00
** 479311.528, 3774055.309, 349.06, 3.40, 4.00
** ----------------------------------------------------------------
   LOCATION L0002885     VOLUME   479312.700 3774154.960 349.91
   LOCATION L0002886     VOLUME   479312.599 3774146.361 349.84
   LOCATION L0002887     VOLUME   479312.498 3774137.761 349.77
   LOCATION L0002888     VOLUME   479312.397 3774129.162 349.75
   LOCATION L0002889     VOLUME   479312.296 3774120.563 349.75
   LOCATION L0002890     VOLUME   479312.194 3774111.963 349.74
   LOCATION L0002891     VOLUME   479312.093 3774103.364 349.67
   LOCATION L0002892     VOLUME   479311.992 3774094.764 349.45
   LOCATION L0002893     VOLUME   479311.891 3774086.165 349.24
   LOCATION L0002894     VOLUME   479311.790 3774077.566 349.03
   LOCATION L0002895     VOLUME   479311.689 3774068.966 349.00
   LOCATION L0002896     VOLUME   479311.587 3774060.367 349.00
** End of LINE VOLUME Source ID = FORK
** Source Parameters **
** LINE VOLUME Source ID = ONSITE
   SRCPARAM L0000001     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000002     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000003     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000004     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000005     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000006     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000007     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000008     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000009     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000010     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000011     0.0833333333      3.40      6.23      3.16
   SRCPARAM L0000012     0.0833333333      3.40      6.23      3.16
** ----------------------------------------------------------------
** LINE VOLUME Source ID = IDLE
   SRCPARAM L0002507     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002508     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002509     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002510     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002511     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002512     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002513     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002514     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002515     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002516     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002517     0.0833333333      4.00      4.00      3.72
   SRCPARAM L0002518     0.0833333333      4.00      4.00      3.72
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** LINE VOLUME Source ID = TRUCK1
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SRCPARAM L0002519     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002520     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002521     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002522     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002523     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002524     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002525     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002526     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002527     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002528     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002529     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002530     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002531     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002532     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002533     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002534     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002535     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002536     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002537     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002538     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002539     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002540     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002541     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002542     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002543     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002544     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002545     0.0057803468      3.40      6.23      3.16
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SRCPARAM L0002548     0.0057803468      3.40      6.23      3.16
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SRCPARAM L0002553     0.0057803468      3.40      6.23      3.16
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SRCPARAM L0002555     0.0057803468      3.40      6.23      3.16
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SRCPARAM L0002558     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002559     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002560     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002561     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002562     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002563     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002564     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002565     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002566     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002567     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002568     0.0057803468      3.40      6.23      3.16
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SRCPARAM L0002569     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002570     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002571     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002572     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002573     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002574     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002575     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002576     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002577     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002578     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002579     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002580     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002581     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002582     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002583     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002584     0.0057803468      3.40      6.23      3.16
SRCPARAM L0002585     0.0057803468      3.40      6.23      3.16
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SRCPARAM L0002860     0.0051813472      3.40      6.23      3.16
SRCPARAM L0002861     0.0051813472      3.40      6.23      3.16
SRCPARAM L0002862     0.0051813472      3.40      6.23      3.16
SRCPARAM L0002863     0.0051813472      3.40      6.23      3.16
SRCPARAM L0002864     0.0051813472      3.40      6.23      3.16
SRCPARAM L0002865     0.0051813472      3.40      6.23      3.16
SRCPARAM L0002866     0.0051813472      3.40      6.23      3.16
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   SRCPARAM L0002867     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002868     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002869     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002870     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002871     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002872     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002873     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002874     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002875     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002876     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002877     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002878     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002879     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002880     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002881     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002882     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002883     0.0051813472      3.40      6.23      3.16
   SRCPARAM L0002884     0.0051813472      3.40      6.23      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = FORK
   SRCPARAM L0002885     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002886     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002887     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002888     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002889     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002890     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002891     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002892     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002893     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002894     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002895     0.0833333333      3.40      4.00      3.16
   SRCPARAM L0002896     0.0833333333      3.40      4.00      3.16
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP IDLE     L0002507 L0002508 L0002509 L0002510 L0002511 L0002512
   SRCGROUP IDLE     L0002513 L0002514 L0002515 L0002516 L0002517 L0002518
   SRCGROUP ONSITE   L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
   SRCGROUP ONSITE   L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
   SRCGROUP TRUCK1   L0002519 L0002520 L0002521 L0002522 L0002523 L0002524
   SRCGROUP TRUCK1   L0002525 L0002526 L0002527 L0002528 L0002529 L0002530
   SRCGROUP TRUCK1   L0002531 L0002532 L0002533 L0002534 L0002535 L0002536
   SRCGROUP TRUCK1   L0002537 L0002538 L0002539 L0002540 L0002541 L0002542
   SRCGROUP TRUCK1   L0002543 L0002544 L0002545 L0002546 L0002547 L0002548
   SRCGROUP TRUCK1   L0002549 L0002550 L0002551 L0002552 L0002553 L0002554
   SRCGROUP TRUCK1   L0002555 L0002556 L0002557 L0002558 L0002559 L0002560
   SRCGROUP TRUCK1   L0002561 L0002562 L0002563 L0002564 L0002565 L0002566
   SRCGROUP TRUCK1   L0002567 L0002568 L0002569 L0002570 L0002571 L0002572
   SRCGROUP TRUCK1   L0002573 L0002574 L0002575 L0002576 L0002577 L0002578
   SRCGROUP TRUCK1   L0002579 L0002580 L0002581 L0002582 L0002583 L0002584
   SRCGROUP TRUCK1   L0002585 L0002586 L0002587 L0002588 L0002589 L0002590
```

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SRCGROUP TRUCK1   L0002591 L0002592 L0002593 L0002594 L0002595 L0002596
SRCGROUP TRUCK1   L0002597 L0002598 L0002599 L0002600 L0002601 L0002602
SRCGROUP TRUCK1   L0002603 L0002604 L0002605 L0002606 L0002607 L0002608
SRCGROUP TRUCK1   L0002609 L0002610 L0002611 L0002612 L0002613 L0002614
SRCGROUP TRUCK1   L0002615 L0002616 L0002617 L0002618 L0002619 L0002620
SRCGROUP TRUCK1   L0002621 L0002622 L0002623 L0002624 L0002625 L0002626
SRCGROUP TRUCK1   L0002627 L0002628 L0002629 L0002630 L0002631 L0002632
SRCGROUP TRUCK1   L0002633 L0002634 L0002635 L0002636 L0002637 L0002638
SRCGROUP TRUCK1   L0002639 L0002640 L0002641 L0002642 L0002643 L0002644
SRCGROUP TRUCK1   L0002645 L0002646 L0002647 L0002648 L0002649 L0002650
SRCGROUP TRUCK1   L0002651 L0002652 L0002653 L0002654 L0002655 L0002656
SRCGROUP TRUCK1   L0002657 L0002658 L0002659 L0002660 L0002661 L0002662
SRCGROUP TRUCK1   L0002663 L0002664 L0002665 L0002666 L0002667 L0002668
SRCGROUP TRUCK1   L0002669 L0002670 L0002671 L0002672 L0002673 L0002674
SRCGROUP TRUCK1   L0002675 L0002676 L0002677 L0002678 L0002679 L0002680
SRCGROUP TRUCK1   L0002681 L0002682 L0002683 L0002684 L0002685 L0002686
SRCGROUP TRUCK1   L0002687 L0002688 L0002689 L0002690 L0002691
SRCGROUP TRUCK2   L0002692 L0002693 L0002694 L0002695 L0002696 L0002697
SRCGROUP TRUCK2   L0002698 L0002699 L0002700 L0002701 L0002702 L0002703
SRCGROUP TRUCK2   L0002704 L0002705 L0002706 L0002707 L0002708 L0002709
SRCGROUP TRUCK2   L0002710 L0002711 L0002712 L0002713 L0002714 L0002715
SRCGROUP TRUCK2   L0002716 L0002717 L0002718 L0002719 L0002720 L0002721
SRCGROUP TRUCK2   L0002722 L0002723 L0002724 L0002725 L0002726 L0002727
SRCGROUP TRUCK2   L0002728 L0002729 L0002730 L0002731 L0002732 L0002733
SRCGROUP TRUCK2   L0002734 L0002735 L0002736 L0002737 L0002738 L0002739
SRCGROUP TRUCK2   L0002740 L0002741 L0002742 L0002743 L0002744 L0002745
SRCGROUP TRUCK2   L0002746 L0002747 L0002748 L0002749 L0002750 L0002751
SRCGROUP TRUCK2   L0002752 L0002753 L0002754 L0002755 L0002756 L0002757
SRCGROUP TRUCK2   L0002758 L0002759 L0002760 L0002761 L0002762 L0002763
SRCGROUP TRUCK2   L0002764 L0002765 L0002766 L0002767 L0002768 L0002769
SRCGROUP TRUCK2   L0002770 L0002771 L0002772 L0002773 L0002774 L0002775
SRCGROUP TRUCK2   L0002776 L0002777 L0002778 L0002779 L0002780 L0002781
SRCGROUP TRUCK2   L0002782 L0002783 L0002784 L0002785 L0002786 L0002787
SRCGROUP TRUCK2   L0002788 L0002789 L0002790 L0002791 L0002792 L0002793
SRCGROUP TRUCK2   L0002794 L0002795 L0002796 L0002797 L0002798 L0002799
SRCGROUP TRUCK2   L0002800 L0002801 L0002802 L0002803 L0002804 L0002805
SRCGROUP TRUCK2   L0002806 L0002807 L0002808 L0002809 L0002810 L0002811
SRCGROUP TRUCK2   L0002812 L0002813 L0002814 L0002815 L0002816 L0002817
SRCGROUP TRUCK2   L0002818 L0002819 L0002820 L0002821 L0002822 L0002823
SRCGROUP TRUCK2   L0002824 L0002825 L0002826 L0002827 L0002828 L0002829
SRCGROUP TRUCK2   L0002830 L0002831 L0002832 L0002833 L0002834 L0002835
SRCGROUP TRUCK2   L0002836 L0002837 L0002838 L0002839 L0002840 L0002841
SRCGROUP TRUCK2   L0002842 L0002843 L0002844 L0002845 L0002846 L0002847
SRCGROUP TRUCK2   L0002848 L0002849 L0002850 L0002851 L0002852 L0002853
SRCGROUP TRUCK2   L0002854 L0002855 L0002856 L0002857 L0002858 L0002859
SRCGROUP TRUCK2   L0002860 L0002861 L0002862 L0002863 L0002864 L0002865
SRCGROUP TRUCK2   L0002866 L0002867 L0002868 L0002869 L0002870 L0002871
SRCGROUP TRUCK2   L0002872 L0002873 L0002874 L0002875 L0002876 L0002877
SRCGROUP TRUCK2   L0002878 L0002879 L0002880 L0002881 L0002882 L0002883
SRCGROUP TRUCK2   L0002884
```

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   SRCGROUP FORK     L0002885 L0002886 L0002887 L0002888 L0002889 L0002890
   SRCGROUP FORK     L0002891 L0002892 L0002893 L0002894 L0002895 L0002896
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED 5thVictoriaOp.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KRAL_v9.SFC
   PROFFILE KRAL_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 245.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST 5THVICTORIAOP.AD\01H1GALL.PLT 31
   PLOTFILE 1 IDLE 1ST 5THVICTORIAOP.AD\01H1G001.PLT 32
   PLOTFILE 1 ONSITE 1ST 5THVICTORIAOP.AD\01H1G002.PLT 33
   PLOTFILE 1 TRUCK1 1ST 5THVICTORIAOP.AD\01H1G003.PLT 34
   PLOTFILE 1 TRUCK2 1ST 5THVICTORIAOP.AD\01H1G004.PLT 35
   PLOTFILE 1 FORK 1ST 5THVICTORIAOP.AD\01H1G005.PLT 36
   PLOTFILE PERIOD ALL 5THVICTORIAOP.AD\PE00GALL.PLT 37
   PLOTFILE PERIOD IDLE 5THVICTORIAOP.AD\PE00G001.PLT 38
   PLOTFILE PERIOD ONSITE 5THVICTORIAOP.AD\PE00G002.PLT 39
   PLOTFILE PERIOD TRUCK1 5THVICTORIAOP.AD\PE00G003.PLT 40
   PLOTFILE PERIOD TRUCK2 5THVICTORIAOP.AD\PE00G004.PLT 41
   PLOTFILE PERIOD FORK 5THVICTORIAOP.AD\PE00G005.PLT 42
   SUMMFILE 5thVictoriaOp.sum
OU FINISHED
```

```
 *** Message Summary For AERMOD Model Setup ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of            0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186    1025       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187    1025       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   402 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m
```

```
 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates PERIOD Averages

 **This Run Includes:    402 Source(s);       6 Source Group(s); and    1506
Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    402 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours
```

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 245.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.2 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 5thVictoriaOp.err

**File for Summary of Results: 5thVictoriaOp.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0000001	0	0.83333E-01	479327.0	3774034.2	349.2	3.40	6.23	3.16	YES	
L0000002	0	0.83333E-01	479327.2	3774047.5	349.2	3.40	6.23	3.16	YES	
L0000003	0	0.83333E-01	479327.5	3774060.9	349.2	3.40	6.23	3.16	YES	
L0000004	0	0.83333E-01	479327.7	3774074.3	349.3	3.40	6.23	3.16	YES	
L0000005	0	0.83333E-01	479328.0	3774087.7	349.6	3.40	6.23	3.16	YES	
L0000006	0	0.83333E-01	479328.2	3774101.1	349.9	3.40	6.23	3.16	YES	

L0000007	0	0.83333E-01	479328.5	3774114.5	350.0	3.40	6.23	3.16 YES
L0000008	0	0.83333E-01	479328.7	3774127.9	350.0	3.40	6.23	3.16 YES
L0000009	0	0.83333E-01	479329.0	3774141.3	350.0	3.40	6.23	3.16 YES
L0000010	0	0.83333E-01	479329.2	3774154.7	350.0	3.40	6.23	3.16 YES
L0000011	0	0.83333E-01	479329.5	3774168.1	350.0	3.40	6.23	3.16 YES
L0000012	0	0.83333E-01	479329.7	3774181.5	350.0	3.40	6.23	3.16 YES
L0002507	0	0.83333E-01	479301.3	3774154.6	349.8	4.00	4.00	3.72 YES
L0002508	0	0.83333E-01	479301.3	3774146.0	349.6	4.00	4.00	3.72 YES
L0002509	0	0.83333E-01	479301.3	3774137.4	349.4	4.00	4.00	3.72 YES
L0002510	0	0.83333E-01	479301.3	3774128.8	349.4	4.00	4.00	3.72 YES
L0002511	0	0.83333E-01	479301.3	3774120.2	349.4	4.00	4.00	3.72 YES
L0002512	0	0.83333E-01	479301.3	3774111.6	349.4	4.00	4.00	3.72 YES
L0002513	0	0.83333E-01	479301.3	3774103.0	349.3	4.00	4.00	3.72 YES
L0002514	0	0.83333E-01	479301.3	3774094.4	349.2	4.00	4.00	3.72 YES
L0002515	0	0.83333E-01	479301.3	3774085.8	349.1	4.00	4.00	3.72 YES
L0002516	0	0.83333E-01	479301.3	3774077.2	349.0	4.00	4.00	3.72 YES
L0002517	0	0.83333E-01	479301.3	3774068.6	349.0	4.00	4.00	3.72 YES
L0002518	0	0.83333E-01	479301.3	3774060.0	349.0	4.00	4.00	3.72 YES
L0002519	0	0.57803E-02	479335.8	3774206.7	350.0	3.40	6.23	3.16 YES
L0002520	0	0.57803E-02	479349.2	3774206.6	350.0	3.40	6.23	3.16 YES
L0002521	0	0.57803E-02	479362.6	3774206.6	350.0	3.40	6.23	3.16 YES
L0002522	0	0.57803E-02	479376.0	3774206.5	350.0	3.40	6.23	3.16 YES
L0002523	0	0.57803E-02	479389.4	3774206.5	350.1	3.40	6.23	3.16 YES
L0002524	0	0.57803E-02	479402.8	3774206.4	350.3	3.40	6.23	3.16 YES
L0002525	0	0.57803E-02	479416.2	3774206.4	350.5	3.40	6.23	3.16 YES

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 L0002526         0   0.57803E-02  479429.6 3774206.3   350.8     3.40     6.23
3.16     YES
 L0002527         0   0.57803E-02  479443.0 3774206.2   351.0     3.40     6.23
3.16     YES
 L0002528         0   0.57803E-02  479456.4 3774206.2   351.0     3.40     6.23
3.16     YES
 L0002529         0   0.57803E-02  479469.8 3774206.1   351.0     3.40     6.23
3.16     YES
 L0002530         0   0.57803E-02  479483.2 3774206.1   351.0     3.40     6.23
3.16     YES
 L0002531         0   0.57803E-02  479496.6 3774206.0   351.0     3.40     6.23
3.16     YES
 L0002532         0   0.57803E-02  479510.0 3774206.0   351.3     3.40     6.23
3.16     YES
 L0002533         0   0.57803E-02  479523.4 3774205.9   351.8     3.40     6.23
3.16     YES
 L0002534         0   0.57803E-02  479536.8 3774205.9   352.0     3.40     6.23
3.16     YES
↑ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                         ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:39:05

                                 PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0002535         0   0.57803E-02  479550.2 3774205.8   352.0     3.40     6.23
3.16     YES
 L0002536         0   0.57803E-02  479563.6 3774205.7   352.0     3.40     6.23
3.16     YES
 L0002537         0   0.57803E-02  479577.0 3774205.7   352.0     3.40     6.23
3.16     YES
 L0002538         0   0.57803E-02  479590.4 3774205.6   352.0     3.40     6.23
3.16     YES
 L0002539         0   0.57803E-02  479603.8 3774205.6   352.0     3.40     6.23
3.16     YES
 L0002540         0   0.57803E-02  479617.2 3774205.5   352.0     3.40     6.23
3.16     YES
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L0002541	0	0.57803E-02	479630.6	3774205.5	352.4	3.40	6.23	3.16 YES
L0002542	0	0.57803E-02	479644.0	3774205.4	352.8	3.40	6.23	3.16 YES
L0002543	0	0.57803E-02	479657.4	3774205.3	353.0	3.40	6.23	3.16 YES
L0002544	0	0.57803E-02	479670.8	3774205.3	353.0	3.40	6.23	3.16 YES
L0002545	0	0.57803E-02	479684.2	3774205.2	353.0	3.40	6.23	3.16 YES
L0002546	0	0.57803E-02	479697.6	3774205.2	353.0	3.40	6.23	3.16 YES
L0002547	0	0.57803E-02	479711.0	3774205.1	353.0	3.40	6.23	3.16 YES
L0002548	0	0.57803E-02	479724.4	3774205.1	353.0	3.40	6.23	3.16 YES
L0002549	0	0.57803E-02	479737.8	3774205.0	353.0	3.40	6.23	3.16 YES
L0002550	0	0.57803E-02	479751.2	3774204.9	353.1	3.40	6.23	3.16 YES
L0002551	0	0.57803E-02	479764.6	3774204.9	353.2	3.40	6.23	3.16 YES
L0002552	0	0.57803E-02	479778.0	3774204.8	353.3	3.40	6.23	3.16 YES
L0002553	0	0.57803E-02	479791.4	3774204.8	353.3	3.40	6.23	3.16 YES
L0002554	0	0.57803E-02	479804.8	3774204.7	353.3	3.40	6.23	3.16 YES
L0002555	0	0.57803E-02	479818.2	3774204.7	353.3	3.40	6.23	3.16 YES
L0002556	0	0.57803E-02	479831.6	3774204.6	353.3	3.40	6.23	3.16 YES
L0002557	0	0.57803E-02	479845.0	3774204.6	353.6	3.40	6.23	3.16 YES
L0002558	0	0.57803E-02	479858.4	3774204.5	354.0	3.40	6.23	3.16 YES
L0002559	0	0.57803E-02	479871.8	3774204.4	354.0	3.40	6.23	3.16 YES
L0002560	0	0.57803E-02	479885.2	3774204.4	354.0	3.40	6.23	3.16 YES
L0002561	0	0.57803E-02	479898.6	3774204.3	354.0	3.40	6.23	3.16 YES
L0002562	0	0.57803E-02	479912.0	3774204.3	354.0	3.40	6.23	3.16 YES
L0002563	0	0.57803E-02	479925.4	3774204.2	354.0	3.40	6.23	3.16 YES
L0002564	0	0.57803E-02	479938.8	3774204.2	354.0	3.40	6.23	3.16 YES
L0002565	0	0.57803E-02	479952.2	3774203.4	354.1	3.40	6.23	3.16 YES

```
 L0002566         0   0.57803E-02  479965.6 3774202.3   354.5     3.40     6.23
3.16     YES
 L0002567         0   0.57803E-02  479978.9 3774201.2   355.0     3.40     6.23
3.16     YES
 L0002568         0   0.57803E-02  479992.3 3774200.1   355.1     3.40     6.23
3.16     YES
 L0002569         0   0.57803E-02  480005.6 3774199.0   355.1     3.40     6.23
3.16     YES
 L0002570         0   0.57803E-02  480019.0 3774197.9   355.3     3.40     6.23
3.16     YES
 L0002571         0   0.57803E-02  480032.3 3774196.8   355.8     3.40     6.23
3.16     YES
 L0002572         0   0.57803E-02  480045.7 3774195.7   356.0     3.40     6.23
3.16     YES
 L0002573         0   0.57803E-02  480059.1 3774194.7   356.0     3.40     6.23
3.16     YES
 L0002574         0   0.57803E-02  480072.4 3774193.6   356.0     3.40     6.23
3.16     YES
```



```
                                                        *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0002575         0   0.57803E-02  480085.8 3774192.5   356.0     3.40     6.23
3.16     YES
 L0002576         0   0.57803E-02  480099.1 3774191.4   356.0     3.40     6.23
3.16     YES
 L0002577         0   0.57803E-02  480112.5 3774190.3   356.4     3.40     6.23
3.16     YES
 L0002578         0   0.57803E-02  480125.8 3774189.2   356.9     3.40     6.23
3.16     YES
 L0002579         0   0.57803E-02  480139.2 3774188.1   357.0     3.40     6.23
3.16     YES
 L0002580         0   0.57803E-02  480152.5 3774187.0   357.0     3.40     6.23
3.16     YES
```

L0002581	0	0.57803E-02	480165.9	3774185.9	357.0	3.40	6.23	3.16 YES
L0002582	0	0.57803E-02	480179.3	3774184.8	357.0	3.40	6.23	3.16 YES
L0002583	0	0.57803E-02	480192.6	3774183.7	357.1	3.40	6.23	3.16 YES
L0002584	0	0.57803E-02	480206.0	3774182.7	357.5	3.40	6.23	3.16 YES
L0002585	0	0.57803E-02	480219.3	3774181.6	358.0	3.40	6.23	3.16 YES
L0002586	0	0.57803E-02	480232.7	3774180.5	358.0	3.40	6.23	3.16 YES
L0002587	0	0.57803E-02	480246.0	3774179.4	358.0	3.40	6.23	3.16 YES
L0002588	0	0.57803E-02	480259.4	3774178.3	358.0	3.40	6.23	3.16 YES
L0002589	0	0.57803E-02	480272.7	3774177.2	358.0	3.40	6.23	3.16 YES
L0002590	0	0.57803E-02	480286.1	3774176.1	358.2	3.40	6.23	3.16 YES
L0002591	0	0.57803E-02	480299.5	3774175.0	358.7	3.40	6.23	3.16 YES
L0002592	0	0.57803E-02	480312.8	3774173.9	359.0	3.40	6.23	3.16 YES
L0002593	0	0.57803E-02	480326.2	3774172.8	359.0	3.40	6.23	3.16 YES
L0002594	0	0.57803E-02	480339.5	3774171.7	359.0	3.40	6.23	3.16 YES
L0002595	0	0.57803E-02	480352.9	3774170.6	359.0	3.40	6.23	3.16 YES
L0002596	0	0.57803E-02	480366.2	3774169.6	359.0	3.40	6.23	3.16 YES
L0002597	0	0.57803E-02	480379.6	3774168.5	359.0	3.40	6.23	3.16 YES
L0002598	0	0.57803E-02	480392.9	3774167.4	359.0	3.40	6.23	3.16 YES
L0002599	0	0.57803E-02	480406.3	3774166.3	359.2	3.40	6.23	3.16 YES
L0002600	0	0.57803E-02	480419.7	3774165.2	359.7	3.40	6.23	3.16 YES
L0002601	0	0.57803E-02	480433.0	3774164.1	360.0	3.40	6.23	3.16 YES
L0002602	0	0.57803E-02	480446.4	3774163.0	360.0	3.40	6.23	3.16 YES
L0002603	0	0.57803E-02	480459.7	3774161.9	360.0	3.40	6.23	3.16 YES
L0002604	0	0.57803E-02	480473.1	3774160.8	360.0	3.40	6.23	3.16 YES
L0002605	0	0.57803E-02	480486.4	3774159.7	360.0	3.40	6.23	3.16 YES

```
 L0002606         0   0.57803E-02  480499.8 3774158.6   360.3     3.40     6.23
3.16     YES
 L0002607         0   0.57803E-02  480513.1 3774157.6   360.8     3.40     6.23
3.16     YES
 L0002608         0   0.57803E-02  480526.5 3774156.5   361.0     3.40     6.23
3.16     YES
 L0002609         0   0.57803E-02  480539.9 3774155.4   361.0     3.40     6.23
3.16     YES
 L0002610         0   0.57803E-02  480553.2 3774154.3   361.1     3.40     6.23
3.16     YES
 L0002611         0   0.57803E-02  480566.6 3774153.2   361.6     3.40     6.23
3.16     YES
 L0002612         0   0.57803E-02  480579.9 3774152.1   362.0     3.40     6.23
3.16     YES
 L0002613         0   0.57803E-02  480593.3 3774151.0   362.0     3.40     6.23
3.16     YES
 L0002614         0   0.57803E-02  480606.6 3774149.9   362.0     3.40     6.23
3.16     YES
↟ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:39:05

                                  PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0002615         0   0.57803E-02  480620.0 3774148.8   362.0     3.40     6.23
3.16     YES
 L0002616         0   0.57803E-02  480633.3 3774147.7   362.0     3.40     6.23
3.16     YES
 L0002617         0   0.57803E-02  480646.7 3774146.6   362.2     3.40     6.23
3.16     YES
 L0002618         0   0.57803E-02  480660.1 3774145.6   362.5     3.40     6.23
3.16     YES
 L0002619         0   0.57803E-02  480673.4 3774144.5   362.8     3.40     6.23
3.16     YES
 L0002620         0   0.57803E-02  480686.8 3774143.4   362.9     3.40     6.23
3.16     YES
```

L0002621	0	0.57803E-02	480700.1	3774142.3	363.0	3.40	6.23	3.16 YES
L0002622	0	0.57803E-02	480713.5	3774141.2	363.0	3.40	6.23	3.16 YES
L0002623	0	0.57803E-02	480726.8	3774140.1	363.0	3.40	6.23	3.16 YES
L0002624	0	0.57803E-02	480740.2	3774139.1	363.3	3.40	6.23	3.16 YES
L0002625	0	0.57803E-02	480753.6	3774138.3	363.7	3.40	6.23	3.16 YES
L0002626	0	0.57803E-02	480766.9	3774137.4	364.0	3.40	6.23	3.16 YES
L0002627	0	0.57803E-02	480780.3	3774136.6	364.0	3.40	6.23	3.16 YES
L0002628	0	0.57803E-02	480793.7	3774135.7	364.0	3.40	6.23	3.16 YES
L0002629	0	0.57803E-02	480807.1	3774134.9	364.0	3.40	6.23	3.16 YES
L0002630	0	0.57803E-02	480820.4	3774134.0	364.0	3.40	6.23	3.16 YES
L0002631	0	0.57803E-02	480833.8	3774133.2	364.1	3.40	6.23	3.16 YES
L0002632	0	0.57803E-02	480847.2	3774132.4	364.1	3.40	6.23	3.16 YES
L0002633	0	0.57803E-02	480860.6	3774131.5	364.5	3.40	6.23	3.16 YES
L0002634	0	0.57803E-02	480873.9	3774130.7	364.8	3.40	6.23	3.16 YES
L0002635	0	0.57803E-02	480887.3	3774129.8	365.0	3.40	6.23	3.16 YES
L0002636	0	0.57803E-02	480900.7	3774129.0	365.0	3.40	6.23	3.16 YES
L0002637	0	0.57803E-02	480914.0	3774128.2	365.0	3.40	6.23	3.16 YES
L0002638	0	0.57803E-02	480927.4	3774127.3	365.0	3.40	6.23	3.16 YES
L0002639	0	0.57803E-02	480940.8	3774126.5	365.0	3.40	6.23	3.16 YES
L0002640	0	0.57803E-02	480954.2	3774125.6	365.5	3.40	6.23	3.16 YES
L0002641	0	0.57803E-02	480967.5	3774124.8	365.9	3.40	6.23	3.16 YES
L0002642	0	0.57803E-02	480980.9	3774124.0	366.0	3.40	6.23	3.16 YES
L0002643	0	0.57803E-02	480994.3	3774123.1	366.0	3.40	6.23	3.16 YES
L0002644	0	0.57803E-02	481007.7	3774122.3	366.0	3.40	6.23	3.16 YES
L0002645	0	0.57803E-02	481021.0	3774121.4	366.0	3.40	6.23	3.16 YES

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 L0002646         0   0.57803E-02  481034.4 3774120.6   366.2     3.40     6.23
3.16     YES
 L0002647         0   0.57803E-02  481047.8 3774119.7   366.6     3.40     6.23
3.16     YES
 L0002648         0   0.57803E-02  481061.2 3774118.9   367.0     3.40     6.23
3.16     YES
 L0002649         0   0.57803E-02  481074.5 3774118.1   367.0     3.40     6.23
3.16     YES
 L0002650         0   0.57803E-02  481087.9 3774117.2   367.0     3.40     6.23
3.16     YES
 L0002651         0   0.57803E-02  481101.3 3774116.4   367.0     3.40     6.23
3.16     YES
 L0002652         0   0.57803E-02  481114.7 3774115.5   367.0     3.40     6.23
3.16     YES
 L0002653         0   0.57803E-02  481128.0 3774114.7   367.3     3.40     6.23
3.16     YES
 L0002654         0   0.57803E-02  481141.4 3774113.9   367.7     3.40     6.23
3.16     YES
```


 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002655	0	0.57803E-02	481154.8	3774114.0	368.0	3.40	6.23	3.16	YES	
L0002656	0	0.57803E-02	481168.1	3774114.8	368.0	3.40	6.23	3.16	YES	
L0002657	0	0.57803E-02	481181.5	3774115.6	368.0	3.40	6.23	3.16	YES	
L0002658	0	0.57803E-02	481194.9	3774116.5	368.0	3.40	6.23	3.16	YES	
L0002659	0	0.57803E-02	481208.3	3774117.3	368.0	3.40	6.23	3.16	YES	
L0002660	0	0.57803E-02	481221.6	3774118.1	368.4	3.40	6.23	3.16	YES	

L0002661	0	0.57803E-02	481235.0	3774119.0	368.8	3.40	6.23	3.16 YES
L0002662	0	0.57803E-02	481248.4	3774119.8	369.0	3.40	6.23	3.16 YES
L0002663	0	0.57803E-02	481261.8	3774120.6	369.0	3.40	6.23	3.16 YES
L0002664	0	0.57803E-02	481275.1	3774121.5	369.0	3.40	6.23	3.16 YES
L0002665	0	0.57803E-02	481288.5	3774122.3	369.0	3.40	6.23	3.16 YES
L0002666	0	0.57803E-02	481301.9	3774123.2	369.1	3.40	6.23	3.16 YES
L0002667	0	0.57803E-02	481315.3	3774124.0	369.5	3.40	6.23	3.16 YES
L0002668	0	0.57803E-02	481328.6	3774124.8	370.0	3.40	6.23	3.16 YES
L0002669	0	0.57803E-02	481342.0	3774125.7	370.0	3.40	6.23	3.16 YES
L0002670	0	0.57803E-02	481355.4	3774126.5	370.0	3.40	6.23	3.16 YES
L0002671	0	0.57803E-02	481368.8	3774127.3	370.0	3.40	6.23	3.16 YES
L0002672	0	0.57803E-02	481382.1	3774128.2	370.0	3.40	6.23	3.16 YES
L0002673	0	0.57803E-02	481395.5	3774129.0	370.2	3.40	6.23	3.16 YES
L0002674	0	0.57803E-02	481408.9	3774129.8	370.6	3.40	6.23	3.16 YES
L0002675	0	0.57803E-02	481422.3	3774130.7	371.0	3.40	6.23	3.16 YES
L0002676	0	0.57803E-02	481435.6	3774131.5	371.0	3.40	6.23	3.16 YES
L0002677	0	0.57803E-02	481449.0	3774132.4	371.0	3.40	6.23	3.16 YES
L0002678	0	0.57803E-02	481462.4	3774133.2	371.0	3.40	6.23	3.16 YES
L0002679	0	0.57803E-02	481475.7	3774134.0	371.1	3.40	6.23	3.16 YES
L0002680	0	0.57803E-02	481489.1	3774134.9	371.3	3.40	6.23	3.16 YES
L0002681	0	0.57803E-02	481502.5	3774135.7	371.8	3.40	6.23	3.16 YES
L0002682	0	0.57803E-02	481515.9	3774136.5	372.0	3.40	6.23	3.16 YES
L0002683	0	0.57803E-02	481529.2	3774137.4	372.0	3.40	6.23	3.16 YES
L0002684	0	0.57803E-02	481542.6	3774138.2	372.0	3.40	6.23	3.16 YES
L0002685	0	0.57803E-02	481556.0	3774139.0	372.0	3.40	6.23	3.16 YES

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 L0002686         0   0.57803E-02  481569.4 3774139.9   372.0     3.40     6.23
3.16     YES
 L0002687         0   0.57803E-02  481582.7 3774140.7   372.4     3.40     6.23
3.16     YES
 L0002688         0   0.57803E-02  481596.1 3774141.5   372.9     3.40     6.23
3.16     YES
 L0002689         0   0.57803E-02  481609.5 3774142.4   373.2     3.40     6.23
3.16     YES
 L0002690         0   0.57803E-02  481622.9 3774143.2   373.6     3.40     6.23
3.16     YES
 L0002691         0   0.57803E-02  481636.2 3774144.1   373.8     3.40     6.23
3.16     YES
 L0002692         0   0.51813E-02  479333.3 3774014.8   349.4     3.40     6.23
3.16     YES
 L0002693         0   0.51813E-02  479346.6 3774014.4   349.9     3.40     6.23
3.16     YES
 L0002694         0   0.51813E-02  479360.0 3774013.9   350.0     3.40     6.23
3.16     YES
```


*** VOLUME SOURCE DATA ***

```
               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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 L0002695         0   0.51813E-02  479373.4 3774013.5   350.0     3.40     6.23
3.16     YES
 L0002696         0   0.51813E-02  479386.8 3774013.0   350.0     3.40     6.23
3.16     YES
 L0002697         0   0.51813E-02  479400.2 3774012.5   350.0     3.40     6.23
3.16     YES
 L0002698         0   0.51813E-02  479413.6 3774012.1   350.0     3.40     6.23
3.16     YES
 L0002699         0   0.51813E-02  479427.0 3774011.6   350.0     3.40     6.23
3.16     YES
 L0002700         0   0.51813E-02  479440.4 3774011.2   350.0     3.40     6.23
3.16     YES
```

L0002701	0	0.51813E-02	479453.8	3774010.7	350.5	3.40	6.23	3.16 YES
L0002702	0	0.51813E-02	479467.2	3774010.2	350.9	3.40	6.23	3.16 YES
L0002703	0	0.51813E-02	479480.6	3774009.8	351.0	3.40	6.23	3.16 YES
L0002704	0	0.51813E-02	479494.0	3774009.3	351.0	3.40	6.23	3.16 YES
L0002705	0	0.51813E-02	479507.4	3774008.9	351.0	3.40	6.23	3.16 YES
L0002706	0	0.51813E-02	479520.7	3774008.4	351.0	3.40	6.23	3.16 YES
L0002707	0	0.51813E-02	479534.1	3774007.9	351.1	3.40	6.23	3.16 YES
L0002708	0	0.51813E-02	479547.5	3774007.5	351.4	3.40	6.23	3.16 YES
L0002709	0	0.51813E-02	479560.9	3774007.0	351.7	3.40	6.23	3.16 YES
L0002710	0	0.51813E-02	479574.3	3774006.6	351.8	3.40	6.23	3.16 YES
L0002711	0	0.51813E-02	479587.7	3774006.1	352.0	3.40	6.23	3.16 YES
L0002712	0	0.51813E-02	479601.1	3774005.7	352.0	3.40	6.23	3.16 YES
L0002713	0	0.51813E-02	479614.5	3774005.2	352.0	3.40	6.23	3.16 YES
L0002714	0	0.51813E-02	479627.9	3774004.7	352.0	3.40	6.23	3.16 YES
L0002715	0	0.51813E-02	479641.3	3774004.3	352.0	3.40	6.23	3.16 YES
L0002716	0	0.51813E-02	479654.7	3774003.8	352.0	3.40	6.23	3.16 YES
L0002717	0	0.51813E-02	479668.1	3774003.4	352.0	3.40	6.23	3.16 YES
L0002718	0	0.51813E-02	479681.5	3774002.9	352.1	3.40	6.23	3.16 YES
L0002719	0	0.51813E-02	479694.8	3774002.4	352.5	3.40	6.23	3.16 YES
L0002720	0	0.51813E-02	479708.2	3774002.0	352.9	3.40	6.23	3.16 YES
L0002721	0	0.51813E-02	479721.6	3774001.5	353.0	3.40	6.23	3.16 YES
L0002722	0	0.51813E-02	479735.0	3774001.1	353.0	3.40	6.23	3.16 YES
L0002723	0	0.51813E-02	479748.4	3774000.6	353.0	3.40	6.23	3.16 YES
L0002724	0	0.51813E-02	479761.8	3774000.1	353.0	3.40	6.23	3.16 YES
L0002725	0	0.51813E-02	479775.2	3773999.7	353.0	3.40	6.23	3.16 YES

```
 L0002726         0   0.51813E-02  479788.6 3773999.2   353.0     3.40     6.23
3.16     YES
 L0002727         0   0.51813E-02  479802.0 3773998.8   353.0     3.40     6.23
3.16     YES
 L0002728         0   0.51813E-02  479815.4 3773998.3   353.0     3.40     6.23
3.16     YES
 L0002729         0   0.51813E-02  479828.8 3773997.8   353.0     3.40     6.23
3.16     YES
 L0002730         0   0.51813E-02  479842.2 3773997.4   353.4     3.40     6.23
3.16     YES
 L0002731         0   0.51813E-02  479855.5 3773996.9   353.9     3.40     6.23
3.16     YES
 L0002732         0   0.51813E-02  479868.9 3773996.5   354.0     3.40     6.23
3.16     YES
 L0002733         0   0.51813E-02  479882.3 3773996.0   354.0     3.40     6.23
3.16     YES
 L0002734         0   0.51813E-02  479895.7 3773995.5   354.0     3.40     6.23
3.16     YES
```



```
                                                        *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 L0002735         0   0.51813E-02  479909.1 3773995.1   354.0     3.40     6.23
3.16     YES
 L0002736         0   0.51813E-02  479922.5 3773994.6   354.1     3.40     6.23
3.16     YES
 L0002737         0   0.51813E-02  479935.9 3773994.0   354.5     3.40     6.23
3.16     YES
 L0002738         0   0.51813E-02  479949.3 3773993.2   355.0     3.40     6.23
3.16     YES
 L0002739         0   0.51813E-02  479962.6 3773992.4   355.0     3.40     6.23
3.16     YES
 L0002740         0   0.51813E-02  479976.0 3773991.5   355.0     3.40     6.23
3.16     YES
```

L0002741	0	0.51813E-02	479989.4	3773990.7	355.0	3.40	6.23	3.16 YES
L0002742	0	0.51813E-02	480002.8	3773989.9	355.0	3.40	6.23	3.16 YES
L0002743	0	0.51813E-02	480016.1	3773989.1	355.2	3.40	6.23	3.16 YES
L0002744	0	0.51813E-02	480029.5	3773988.3	355.7	3.40	6.23	3.16 YES
L0002745	0	0.51813E-02	480042.9	3773987.4	356.0	3.40	6.23	3.16 YES
L0002746	0	0.51813E-02	480056.3	3773986.6	356.0	3.40	6.23	3.16 YES
L0002747	0	0.51813E-02	480069.6	3773985.8	356.0	3.40	6.23	3.16 YES
L0002748	0	0.51813E-02	480083.0	3773985.0	356.0	3.40	6.23	3.16 YES
L0002749	0	0.51813E-02	480096.4	3773984.2	356.0	3.40	6.23	3.16 YES
L0002750	0	0.51813E-02	480109.8	3773983.3	356.3	3.40	6.23	3.16 YES
L0002751	0	0.51813E-02	480123.1	3773982.5	356.8	3.40	6.23	3.16 YES
L0002752	0	0.51813E-02	480136.5	3773981.7	357.0	3.40	6.23	3.16 YES
L0002753	0	0.51813E-02	480149.9	3773980.9	357.0	3.40	6.23	3.16 YES
L0002754	0	0.51813E-02	480163.3	3773980.1	357.0	3.40	6.23	3.16 YES
L0002755	0	0.51813E-02	480176.6	3773979.2	357.0	3.40	6.23	3.16 YES
L0002756	0	0.51813E-02	480190.0	3773978.4	357.0	3.40	6.23	3.16 YES
L0002757	0	0.51813E-02	480203.4	3773977.6	357.4	3.40	6.23	3.16 YES
L0002758	0	0.51813E-02	480216.8	3773976.8	357.9	3.40	6.23	3.16 YES
L0002759	0	0.51813E-02	480230.1	3773976.0	358.0	3.40	6.23	3.16 YES
L0002760	0	0.51813E-02	480243.5	3773975.1	358.0	3.40	6.23	3.16 YES
L0002761	0	0.51813E-02	480256.9	3773974.3	358.0	3.40	6.23	3.16 YES
L0002762	0	0.51813E-02	480270.3	3773973.5	358.0	3.40	6.23	3.16 YES
L0002763	0	0.51813E-02	480283.6	3773972.7	358.0	3.40	6.23	3.16 YES
L0002764	0	0.51813E-02	480297.0	3773971.9	358.0	3.40	6.23	3.16 YES
L0002765	0	0.51813E-02	480310.4	3773971.0	358.0	3.40	6.23	3.16 YES

```
 L0002766         0   0.51813E-02  480323.8 3773970.2   358.5     3.40     6.23
3.16     YES
 L0002767         0   0.51813E-02  480337.1 3773969.4   358.9     3.40     6.23
3.16     YES
 L0002768         0   0.51813E-02  480350.5 3773968.6   359.0     3.40     6.23
3.16     YES
 L0002769         0   0.51813E-02  480363.9 3773967.8   359.0     3.40     6.23
3.16     YES
 L0002770         0   0.51813E-02  480377.3 3773966.9   359.0     3.40     6.23
3.16     YES
 L0002771         0   0.51813E-02  480390.6 3773966.1   359.0     3.40     6.23
3.16     YES
 L0002772         0   0.51813E-02  480404.0 3773965.3   359.1     3.40     6.23
3.16     YES
 L0002773         0   0.51813E-02  480417.4 3773964.5   359.6     3.40     6.23
3.16     YES
 L0002774         0   0.51813E-02  480430.8 3773963.7   360.0     3.40     6.23
3.16     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002775	0	0.51813E-02	480444.1	3773962.8	360.0	3.40	6.23	3.16	YES	
L0002776	0	0.51813E-02	480457.5	3773962.0	360.0	3.40	6.23	3.16	YES	
L0002777	0	0.51813E-02	480470.9	3773961.2	360.4	3.40	6.23	3.16	YES	
L0002778	0	0.51813E-02	480484.3	3773960.4	360.8	3.40	6.23	3.16	YES	
L0002779	0	0.51813E-02	480497.6	3773959.6	361.0	3.40	6.23	3.16	YES	
L0002780	0	0.51813E-02	480511.0	3773958.7	361.0	3.40	6.23	3.16	YES	

L0002781	0	0.51813E-02	480524.4	3773957.9	361.2	3.40	6.23	3.16 YES
L0002782	0	0.51813E-02	480537.8	3773957.1	361.6	3.40	6.23	3.16 YES
L0002783	0	0.51813E-02	480551.1	3773956.3	362.0	3.40	6.23	3.16 YES
L0002784	0	0.51813E-02	480564.5	3773955.5	362.0	3.40	6.23	3.16 YES
L0002785	0	0.51813E-02	480577.9	3773954.6	362.0	3.40	6.23	3.16 YES
L0002786	0	0.51813E-02	480591.3	3773953.8	362.0	3.40	6.23	3.16 YES
L0002787	0	0.51813E-02	480604.6	3773953.0	362.1	3.40	6.23	3.16 YES
L0002788	0	0.51813E-02	480618.0	3773952.2	362.4	3.40	6.23	3.16 YES
L0002789	0	0.51813E-02	480631.4	3773951.4	362.8	3.40	6.23	3.16 YES
L0002790	0	0.51813E-02	480644.8	3773950.5	363.2	3.40	6.23	3.16 YES
L0002791	0	0.51813E-02	480658.1	3773949.7	363.6	3.40	6.23	3.16 YES
L0002792	0	0.51813E-02	480671.5	3773948.9	364.0	3.40	6.23	3.16 YES
L0002793	0	0.51813E-02	480684.9	3773948.1	364.0	3.40	6.23	3.16 YES
L0002794	0	0.51813E-02	480698.3	3773947.3	364.0	3.40	6.23	3.16 YES
L0002795	0	0.51813E-02	480711.6	3773946.5	364.4	3.40	6.23	3.16 YES
L0002796	0	0.51813E-02	480725.0	3773945.6	364.8	3.40	6.23	3.16 YES
L0002797	0	0.51813E-02	480733.0	3773950.7	365.0	3.40	6.23	3.16 YES
L0002798	0	0.51813E-02	480733.4	3773964.1	364.8	3.40	6.23	3.16 YES
L0002799	0	0.51813E-02	480733.7	3773977.5	364.4	3.40	6.23	3.16 YES
L0002800	0	0.51813E-02	480734.1	3773990.9	364.1	3.40	6.23	3.16 YES
L0002801	0	0.51813E-02	480734.5	3774004.3	364.1	3.40	6.23	3.16 YES
L0002802	0	0.51813E-02	480734.8	3774017.7	364.0	3.40	6.23	3.16 YES
L0002803	0	0.51813E-02	480735.2	3774031.0	364.0	3.40	6.23	3.16 YES
L0002804	0	0.51813E-02	480735.5	3774044.4	364.0	3.40	6.23	3.16 YES
L0002805	0	0.51813E-02	480735.9	3774057.8	363.7	3.40	6.23	3.16 YES

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 L0002806         0   0.51813E-02  480736.3 3774071.2   363.3     3.40     6.23
3.16     YES
 L0002807         0   0.51813E-02  480736.6 3774084.6   363.2     3.40     6.23
3.16     YES
 L0002808         0   0.51813E-02  480737.0 3774098.0   363.2     3.40     6.23
3.16     YES
 L0002809         0   0.51813E-02  480737.4 3774111.4   363.2     3.40     6.23
3.16     YES
 L0002810         0   0.51813E-02  480737.7 3774124.8   363.3     3.40     6.23
3.16     YES
 L0002811         0   0.51813E-02  480739.5 3774136.7   363.3     3.40     6.23
3.16     YES
 L0002812         0   0.51813E-02  480752.8 3774135.9   363.8     3.40     6.23
3.16     YES
 L0002813         0   0.51813E-02  480766.2 3774135.2   364.0     3.40     6.23
3.16     YES
 L0002814         0   0.51813E-02  480779.6 3774134.4   364.0     3.40     6.23
3.16     YES
```


 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002815	0	0.51813E-02	480793.0	3774133.6	364.0	3.40	6.23	3.16	YES	
L0002816	0	0.51813E-02	480806.3	3774132.9	364.0	3.40	6.23	3.16	YES	
L0002817	0	0.51813E-02	480819.7	3774132.1	364.0	3.40	6.23	3.16	YES	
L0002818	0	0.51813E-02	480833.1	3774131.3	364.1	3.40	6.23	3.16	YES	
L0002819	0	0.51813E-02	480846.5	3774130.5	364.2	3.40	6.23	3.16	YES	
L0002820	0	0.51813E-02	480859.9	3774129.8	364.5	3.40	6.23	3.16	YES	

L0002821	0	0.51813E-02	480873.2	3774129.0	364.8	3.40	6.23	3.16 YES
L0002822	0	0.51813E-02	480886.6	3774128.2	365.0	3.40	6.23	3.16 YES
L0002823	0	0.51813E-02	480900.0	3774127.5	365.0	3.40	6.23	3.16 YES
L0002824	0	0.51813E-02	480913.4	3774126.7	365.0	3.40	6.23	3.16 YES
L0002825	0	0.51813E-02	480926.7	3774125.9	365.0	3.40	6.23	3.16 YES
L0002826	0	0.51813E-02	480940.1	3774125.1	365.0	3.40	6.23	3.16 YES
L0002827	0	0.51813E-02	480953.5	3774124.4	365.4	3.40	6.23	3.16 YES
L0002828	0	0.51813E-02	480966.9	3774123.6	365.9	3.40	6.23	3.16 YES
L0002829	0	0.51813E-02	480980.3	3774122.8	366.0	3.40	6.23	3.16 YES
L0002830	0	0.51813E-02	480993.6	3774122.1	366.0	3.40	6.23	3.16 YES
L0002831	0	0.51813E-02	481007.0	3774121.3	366.0	3.40	6.23	3.16 YES
L0002832	0	0.51813E-02	481020.4	3774120.5	366.0	3.40	6.23	3.16 YES
L0002833	0	0.51813E-02	481033.8	3774119.7	366.1	3.40	6.23	3.16 YES
L0002834	0	0.51813E-02	481047.1	3774119.0	366.6	3.40	6.23	3.16 YES
L0002835	0	0.51813E-02	481060.5	3774118.2	367.0	3.40	6.23	3.16 YES
L0002836	0	0.51813E-02	481073.9	3774117.4	367.0	3.40	6.23	3.16 YES
L0002837	0	0.51813E-02	481087.3	3774116.7	367.0	3.40	6.23	3.16 YES
L0002838	0	0.51813E-02	481100.7	3774115.9	367.0	3.40	6.23	3.16 YES
L0002839	0	0.51813E-02	481114.0	3774115.1	367.0	3.40	6.23	3.16 YES
L0002840	0	0.51813E-02	481127.4	3774114.3	367.2	3.40	6.23	3.16 YES
L0002841	0	0.51813E-02	481140.8	3774113.6	367.7	3.40	6.23	3.16 YES
L0002842	0	0.51813E-02	481154.2	3774114.4	368.0	3.40	6.23	3.16 YES
L0002843	0	0.51813E-02	481167.5	3774115.3	368.0	3.40	6.23	3.16 YES
L0002844	0	0.51813E-02	481180.9	3774116.3	368.0	3.40	6.23	3.16 YES
L0002845	0	0.51813E-02	481194.3	3774117.2	368.0	3.40	6.23	3.16 YES

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 L0002846         0   0.51813E-02  481207.6 3774118.2   368.0     3.40     6.23
3.16     YES
 L0002847         0   0.51813E-02  481221.0 3774119.1   368.4     3.40     6.23
3.16     YES
 L0002848         0   0.51813E-02  481234.3 3774120.1   368.8     3.40     6.23
3.16     YES
 L0002849         0   0.51813E-02  481247.7 3774121.0   369.0     3.40     6.23
3.16     YES
 L0002850         0   0.51813E-02  481261.1 3774122.0   369.0     3.40     6.23
3.16     YES
 L0002851         0   0.51813E-02  481274.4 3774122.9   369.0     3.40     6.23
3.16     YES
 L0002852         0   0.51813E-02  481287.8 3774123.9   369.0     3.40     6.23
3.16     YES
 L0002853         0   0.51813E-02  481301.2 3774124.8   369.0     3.40     6.23
3.16     YES
 L0002854         0   0.51813E-02  481314.5 3774125.8   369.5     3.40     6.23
3.16     YES
```


*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002855	0	0.51813E-02	481327.9	3774126.7	369.9	3.40	6.23	3.16	YES	
L0002856	0	0.51813E-02	481341.3	3774127.7	370.0	3.40	6.23	3.16	YES	
L0002857	0	0.51813E-02	481354.6	3774128.6	370.0	3.40	6.23	3.16	YES	
L0002858	0	0.51813E-02	481368.0	3774129.6	370.0	3.40	6.23	3.16	YES	
L0002859	0	0.51813E-02	481381.4	3774130.5	370.0	3.40	6.23	3.16	YES	
L0002860	0	0.51813E-02	481394.7	3774131.5	370.2	3.40	6.23	3.16	YES	

L0002861	0	0.51813E-02	481408.1	3774132.4	370.6	3.40	6.23	3.16 YES
L0002862	0	0.51813E-02	481421.5	3774133.4	371.0	3.40	6.23	3.16 YES
L0002863	0	0.51813E-02	481434.8	3774134.3	371.0	3.40	6.23	3.16 YES
L0002864	0	0.51813E-02	481448.2	3774135.3	371.0	3.40	6.23	3.16 YES
L0002865	0	0.51813E-02	481461.6	3774136.2	371.0	3.40	6.23	3.16 YES
L0002866	0	0.51813E-02	481474.9	3774137.2	371.0	3.40	6.23	3.16 YES
L0002867	0	0.51813E-02	481488.3	3774138.1	371.3	3.40	6.23	3.16 YES
L0002868	0	0.51813E-02	481501.7	3774139.1	371.7	3.40	6.23	3.16 YES
L0002869	0	0.51813E-02	481515.0	3774140.0	372.0	3.40	6.23	3.16 YES
L0002870	0	0.51813E-02	481528.4	3774141.0	372.0	3.40	6.23	3.16 YES
L0002871	0	0.51813E-02	481541.8	3774141.9	372.0	3.40	6.23	3.16 YES
L0002872	0	0.51813E-02	481555.1	3774142.9	372.0	3.40	6.23	3.16 YES
L0002873	0	0.51813E-02	481568.5	3774143.8	372.0	3.40	6.23	3.16 YES
L0002874	0	0.51813E-02	481581.9	3774144.8	372.4	3.40	6.23	3.16 YES
L0002875	0	0.51813E-02	481595.2	3774145.7	372.8	3.40	6.23	3.16 YES
L0002876	0	0.51813E-02	481608.6	3774146.7	373.2	3.40	6.23	3.16 YES
L0002877	0	0.51813E-02	481622.0	3774147.6	373.5	3.40	6.23	3.16 YES
L0002878	0	0.51813E-02	481635.3	3774148.6	373.7	3.40	6.23	3.16 YES
L0002879	0	0.51813E-02	481648.7	3774149.5	373.8	3.40	6.23	3.16 YES
L0002880	0	0.51813E-02	481662.1	3774150.5	374.0	3.40	6.23	3.16 YES
L0002881	0	0.51813E-02	481675.4	3774151.4	374.0	3.40	6.23	3.16 YES
L0002882	0	0.51813E-02	481688.8	3774152.4	374.0	3.40	6.23	3.16 YES
L0002883	0	0.51813E-02	481702.2	3774153.3	374.2	3.40	6.23	3.16 YES
L0002884	0	0.51813E-02	481715.5	3774154.3	374.3	3.40	6.23	3.16 YES
L0002885	0	0.83333E-01	479312.7	3774155.0	349.9	3.40	4.00	3.16 YES

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 L0002886         0   0.83333E-01  479312.6 3774146.4   349.8     3.40     4.00
3.16     YES
 L0002887         0   0.83333E-01  479312.5 3774137.8   349.8     3.40     4.00
3.16     YES
 L0002888         0   0.83333E-01  479312.4 3774129.2   349.8     3.40     4.00
3.16     YES
 L0002889         0   0.83333E-01  479312.3 3774120.6   349.8     3.40     4.00
3.16     YES
 L0002890         0   0.83333E-01  479312.2 3774112.0   349.7     3.40     4.00
3.16     YES
 L0002891         0   0.83333E-01  479312.1 3774103.4   349.7     3.40     4.00
3.16     YES
 L0002892         0   0.83333E-01  479312.0 3774094.8   349.4     3.40     4.00
3.16     YES
 L0002893         0   0.83333E-01  479311.9 3774086.2   349.2     3.40     4.00
3.16     YES
 L0002894         0   0.83333E-01  479311.8 3774077.6   349.0     3.40     4.00
3.16     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0002895	0	0.83333E-01	479311.7	3774069.0	349.0	3.40	4.00	3.16	YES	
L0002896	0	0.83333E-01	479311.6	3774060.4	349.0	3.40	4.00	3.16	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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ONSITE	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 ,
TRUCK1	L0002519 , L0002520 , L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 ,
	L0002527 , L0002528 , L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 ,
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SRCGROUP ID	SOURCE IDs
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TRUCK2	L0002692 , L0002693 , L0002694 , L0002695 , L0002696 , L0002697 , L0002698 , L0002699 ,
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L0002801    , L0002802    , L0002803    ,
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                    SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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↟ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                              SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
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L0002892   , L0002893   , L0002894   ,

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
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  URBAN ID   URBAN POP   SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                    SOURCE IDs
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             L0002895   , L0002896   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (478170.4, 3774040.0,   341.0,   341.0,   0.0);   (478220.4,
3774040.0,   341.0,   341.0,   0.0);
     (478270.4, 3774040.0,   342.0,   342.0,   0.0);   (478320.4,
3774040.0,   342.0,   342.0,   0.0);
     (478170.4, 3774090.0,   341.0,   341.0,   0.0);   (478220.4,
3774090.0,   341.0,   341.0,   0.0);
     (478270.4, 3774090.0,   342.0,   342.0,   0.0);   (478320.4,
3774090.0,   342.0,   342.0,   0.0);

```
     ( 478170.4, 3774140.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774140.0,     341.0,     341.0,       0.0);
     ( 478270.4, 3774140.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774140.0,     342.0,     342.0,       0.0);
     ( 478170.4, 3774190.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774190.0,     341.4,     341.4,       0.0);
     ( 478270.4, 3774190.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774190.0,     342.0,     342.0,       0.0);
     ( 478170.4, 3774240.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774240.0,     341.4,     341.4,       0.0);
     ( 478270.4, 3774240.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774240.0,     342.0,     342.0,       0.0);
     ( 478370.4, 3774240.0,     342.4,     342.4,       0.0);         ( 478420.4,
3774240.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3774240.0,     343.0,     343.0,       0.0);         ( 478520.4,
3774240.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3774240.0,     344.0,     344.0,       0.0);         ( 479170.4,
3774240.0,     349.0,     349.0,       0.0);
     ( 479220.4, 3774240.0,     349.0,     349.0,       0.0);         ( 479270.4,
3774240.0,     350.0,     350.0,       0.0);
     ( 479320.4, 3774240.0,     350.0,     350.0,       0.0);         ( 479370.4,
3774240.0,     350.0,     350.0,       0.0);
     ( 479420.4, 3774240.0,     351.0,     351.0,       0.0);         ( 479470.4,
3774240.0,     351.0,     351.0,       0.0);
     ( 479520.4, 3774240.0,     351.7,     351.7,       0.0);         ( 479570.4,
3774240.0,     352.0,     352.0,       0.0);
     ( 479620.4, 3774240.0,     352.0,     352.0,       0.0);         ( 479670.4,
3774240.0,     353.0,     353.0,       0.0);
     ( 479720.4, 3774240.0,     353.0,     353.0,       0.0);         ( 479770.4,
3774240.0,     354.0,     354.0,       0.0);
     ( 479820.4, 3774240.0,     354.0,     354.0,       0.0);         ( 479870.4,
3774240.0,     354.0,     354.0,       0.0);
     ( 479920.4, 3774240.0,     354.0,     354.0,       0.0);         ( 479970.4,
3774240.0,     354.7,     354.7,       0.0);
     ( 478170.4, 3774290.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774290.0,     341.4,     341.4,       0.0);
     ( 478270.4, 3774290.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774290.0,     342.0,     342.0,       0.0);
     ( 478370.4, 3774290.0,     342.4,     342.4,       0.0);         ( 478420.4,
3774290.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3774290.0,     343.0,     343.0,       0.0);         ( 478520.4,
3774290.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3774290.0,     344.0,     344.0,       0.0);         ( 479170.4,
3774290.0,     349.0,     349.0,       0.0);
     ( 479220.4, 3774290.0,     349.0,     349.0,       0.0);         ( 479270.4,
3774290.0,     350.0,     350.0,       0.0);
     ( 479320.4, 3774290.0,     350.0,     350.0,       0.0);         ( 479370.4,
3774290.0,     350.7,     350.7,       0.0);
     ( 479420.4, 3774290.0,     351.0,     351.0,       0.0);         ( 479470.4,
3774290.0,     351.0,     351.0,       0.0);
```

```
     ( 479520.4, 3774290.0,     351.7,     351.7,       0.0);         ( 479570.4,
3774290.0,     352.0,     352.0,       0.0);
     ( 479620.4, 3774290.0,     353.0,     353.0,       0.0);         ( 479670.4,
3774290.0,     353.0,     353.0,       0.0);
     ( 479720.4, 3774290.0,     353.0,     353.0,       0.0);         ( 479770.4,
3774290.0,     353.9,     353.9,       0.0);
     ( 479820.4, 3774290.0,     354.0,     354.0,       0.0);         ( 479870.4,
3774290.0,     354.0,     354.0,       0.0);
     ( 479920.4, 3774290.0,     354.1,     354.1,       0.0);         ( 479970.4,
3774290.0,     355.1,     355.1,       0.0);
     ( 478170.4, 3774340.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774340.0,     341.4,     341.4,       0.0);
     ( 478270.4, 3774340.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774340.0,     342.0,     342.0,       0.0);
     ( 478370.4, 3774340.0,     342.4,     342.4,       0.0);         ( 478420.4,
3774340.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3774340.0,     343.5,     343.5,       0.0);         ( 478520.4,
3774340.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3774340.0,     344.0,     344.0,       0.0);         ( 479170.4,
3774340.0,     349.0,     349.0,       0.0);
     ( 479220.4, 3774340.0,     349.5,     349.5,       0.0);         ( 479270.4,
3774340.0,     350.0,     350.0,       0.0);
     ( 479320.4, 3774340.0,     350.0,     350.0,       0.0);         ( 479370.4,
3774340.0,     350.7,     350.7,       0.0);
     ( 479420.4, 3774340.0,     351.0,     351.0,       0.0);         ( 479470.4,
3774340.0,     351.0,     351.0,       0.0);
     ( 479520.4, 3774340.0,     352.0,     352.0,       0.0);         ( 479570.4,
3774340.0,     352.0,     352.0,       0.0);
     ( 479620.4, 3774340.0,     353.0,     353.0,       0.0);         ( 479670.4,
3774340.0,     353.0,     353.0,       0.0);
     ( 479720.4, 3774340.0,     353.9,     353.9,       0.0);         ( 479770.4,
3774340.0,     353.8,     353.8,       0.0);
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                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                              (METERS)

     ( 479820.4, 3774340.0,     354.0,     354.0,       0.0);         ( 479870.4,
3774340.0,     354.3,     354.3,       0.0);
     ( 479920.4, 3774340.0,     355.0,     355.0,       0.0);         ( 479970.4,
3774340.0,     355.7,     355.7,       0.0);
     ( 478170.4, 3774390.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774390.0,     341.4,     341.4,       0.0);
```

```
     ( 478270.4, 3774390.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774390.0,     342.0,     342.0,       0.0);
     ( 478370.4, 3774390.0,     343.0,     343.0,       0.0);         ( 478420.4,
3774390.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3774390.0,     343.7,     343.7,       0.0);         ( 478520.4,
3774390.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3774390.0,     344.0,     344.0,       0.0);         ( 479170.4,
3774390.0,     349.0,     349.0,       0.0);
     ( 479220.4, 3774390.0,     349.7,     349.7,       0.0);         ( 479270.4,
3774390.0,     350.0,     350.0,       0.0);
     ( 479320.4, 3774390.0,     350.0,     350.0,       0.0);         ( 479370.4,
3774390.0,     351.0,     351.0,       0.0);
     ( 479420.4, 3774390.0,     351.0,     351.0,       0.0);         ( 479470.4,
3774390.0,     352.0,     352.0,       0.0);
     ( 479520.4, 3774390.0,     352.0,     352.0,       0.0);         ( 479570.4,
3774390.0,     352.4,     352.4,       0.0);
     ( 479620.4, 3774390.0,     353.0,     353.0,       0.0);         ( 479670.4,
3774390.0,     353.7,     353.7,       0.0);
     ( 479720.4, 3774390.0,     354.0,     354.0,       0.0);         ( 479770.4,
3774390.0,     354.0,     354.0,       0.0);
     ( 479820.4, 3774390.0,     354.3,     354.3,       0.0);         ( 479870.4,
3774390.0,     355.0,     355.0,       0.0);
     ( 479920.4, 3774390.0,     355.0,     355.0,       0.0);         ( 479970.4,
3774390.0,     356.0,     356.0,       0.0);
     ( 478170.4, 3774440.0,     341.0,     341.0,       0.0);         ( 478220.4,
3774440.0,     341.4,     341.4,       0.0);
     ( 478270.4, 3774440.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774440.0,     342.0,     342.0,       0.0);
     ( 478370.4, 3774440.0,     343.0,     343.0,       0.0);         ( 478420.4,
3774440.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3774440.0,     343.7,     343.7,       0.0);         ( 478520.4,
3774440.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3774440.0,     344.0,     344.0,       0.0);         ( 478620.4,
3774440.0,     344.7,     344.7,       0.0);
     ( 478670.4, 3774440.0,     345.0,     345.0,       0.0);         ( 478720.4,
3774440.0,     345.0,     345.0,       0.0);
     ( 478770.4, 3774440.0,     345.0,     345.0,       0.0);         ( 478820.4,
3774440.0,     346.0,     346.0,       0.0);
     ( 479320.4, 3774440.0,     350.0,     350.0,       0.0);         ( 479370.4,
3774440.0,     351.0,     351.0,       0.0);
     ( 479420.4, 3774440.0,     351.0,     351.0,       0.0);         ( 479470.4,
3774440.0,     352.0,     352.0,       0.0);
     ( 479520.4, 3774440.0,     352.0,     352.0,       0.0);         ( 479570.4,
3774440.0,     352.4,     352.4,       0.0);
     ( 479620.4, 3774440.0,     353.0,     353.0,       0.0);         ( 479670.4,
3774440.0,     353.7,     353.7,       0.0);
     ( 479720.4, 3774440.0,     354.0,     354.0,       0.0);         ( 479770.4,
3774440.0,     354.0,     354.0,       0.0);
     ( 479820.4, 3774440.0,     354.7,     354.7,       0.0);         ( 479870.4,
3774440.0,     355.0,     355.0,       0.0);
```

(479920.4, 3774440.0, 356.0, 356.0, 0.0); (479970.4, 3774440.0, 356.0, 356.0, 0.0);
(478170.4, 3774490.0, 341.0, 341.0, 0.0); (478220.4, 3774490.0, 342.0, 342.0, 0.0);
(478270.4, 3774490.0, 342.0, 342.0, 0.0); (478320.4, 3774490.0, 342.0, 342.0, 0.0);
(478370.4, 3774490.0, 343.0, 343.0, 0.0); (478420.4, 3774490.0, 343.0, 343.0, 0.0);
(478470.4, 3774490.0, 343.7, 343.7, 0.0); (478520.4, 3774490.0, 344.0, 344.0, 0.0);
(478570.4, 3774490.0, 344.0, 344.0, 0.0); (478620.4, 3774490.0, 345.0, 345.0, 0.0);
(478670.4, 3774490.0, 345.0, 345.0, 0.0); (478720.4, 3774490.0, 345.0, 345.0, 0.0);
(478749.3, 3774487.7, 345.0, 345.0, 0.0); (478820.4, 3774490.0, 346.0, 346.0, 0.0);
(479370.4, 3774490.0, 351.0, 351.0, 0.0); (479420.4, 3774490.0, 351.4, 351.4, 0.0);
(479470.4, 3774490.0, 352.0, 352.0, 0.0); (479520.4, 3774490.0, 352.0, 352.0, 0.0);
(479570.4, 3774490.0, 353.0, 353.0, 0.0); (479620.4, 3774490.0, 353.0, 353.0, 0.0);
(479670.4, 3774490.0, 353.9, 353.9, 0.0); (479720.4, 3774490.0, 354.0, 354.0, 0.0);
(479770.4, 3774490.0, 354.0, 354.0, 0.0); (479820.4, 3774490.0, 355.0, 355.0, 0.0);
(479870.4, 3774490.0, 355.3, 355.3, 0.0); (479920.4, 3774490.0, 356.0, 356.0, 0.0);
(479970.4, 3774490.0, 356.0, 356.0, 0.0); (478170.4, 3774540.0, 341.3, 341.3, 0.0);
(478220.4, 3774540.0, 342.0, 342.0, 0.0); (478270.4, 3774540.0, 342.0, 342.0, 0.0);
(478320.4, 3774540.0, 342.0, 342.0, 0.0); (478370.4, 3774540.0, 343.0, 343.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(478420.4, 3774540.0, 343.0, 343.0, 0.0); (478470.4, 3774540.0, 343.7, 343.7, 0.0);
(478520.4, 3774540.0, 344.0, 344.0, 0.0); (478570.4, 3774540.0, 344.0, 344.0, 0.0);

```
     ( 478620.4, 3774540.0,     345.0,     345.0,       0.0);         ( 478670.4,
3774540.0,     345.0,     345.0,       0.0);
     ( 478720.4, 3774540.0,     345.0,     345.0,       0.0);         ( 478764.9,
3774550.6,     345.4,     345.4,       0.0);
     ( 478807.5, 3774552.4,     346.0,     346.0,       0.0);         ( 479370.4,
3774540.0,     351.0,     351.0,       0.0);
     ( 479420.4, 3774540.0,     351.4,     351.4,       0.0);         ( 479470.4,
3774540.0,     352.0,     352.0,       0.0);
     ( 479520.4, 3774540.0,     352.0,     352.0,       0.0);         ( 479570.4,
3774540.0,     353.0,     353.0,       0.0);
     ( 479620.4, 3774540.0,     353.0,     353.0,       0.0);         ( 479670.4,
3774540.0,     354.0,     354.0,       0.0);
     ( 479720.4, 3774540.0,     354.0,     354.0,       0.0);         ( 479770.4,
3774540.0,     354.5,     354.5,       0.0);
     ( 479820.4, 3774540.0,     355.0,     355.0,       0.0);         ( 479870.4,
3774540.0,     355.4,     355.4,       0.0);
     ( 479920.4, 3774540.0,     356.0,     356.0,       0.0);         ( 479970.4,
3774540.0,     356.0,     356.0,       0.0);
     ( 478170.4, 3774590.0,     341.7,     341.7,       0.0);         ( 478220.4,
3774590.0,     342.0,     342.0,       0.0);
     ( 478270.4, 3774590.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774590.0,     342.7,     342.7,       0.0);
     ( 478370.4, 3774590.0,     343.0,     343.0,       0.0);         ( 478420.4,
3774590.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3774590.0,     344.0,     344.0,       0.0);         ( 478520.4,
3774590.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3774590.0,     345.0,     345.0,       0.0);         ( 478620.4,
3774590.0,     345.0,     345.0,       0.0);
     ( 478670.4, 3774590.0,     345.0,     345.0,       0.0);         ( 478720.4,
3774590.0,     345.1,     345.1,       0.0);
     ( 478776.3, 3774602.9,     345.9,     345.9,       0.0);         ( 478804.3,
3774604.2,     346.0,     346.0,       0.0);
     ( 479370.4, 3774590.0,     351.0,     351.0,       0.0);         ( 479420.4,
3774590.0,     352.0,     352.0,       0.0);
     ( 479470.4, 3774590.0,     352.0,     352.0,       0.0);         ( 479520.4,
3774590.0,     352.1,     352.1,       0.0);
     ( 479570.4, 3774590.0,     353.0,     353.0,       0.0);         ( 479620.4,
3774590.0,     353.0,     353.0,       0.0);
     ( 479670.4, 3774590.0,     354.0,     354.0,       0.0);         ( 479720.4,
3774590.0,     354.0,     354.0,       0.0);
     ( 479770.4, 3774590.0,     355.0,     355.0,       0.0);         ( 479820.4,
3774590.0,     355.0,     355.0,       0.0);
     ( 479870.4, 3774590.0,     355.4,     355.4,       0.0);         ( 479920.4,
3774590.0,     356.0,     356.0,       0.0);
     ( 479970.4, 3774590.0,     356.7,     356.7,       0.0);         ( 478170.4,
3774640.0,     341.9,     341.9,       0.0);
     ( 478220.4, 3774640.0,     342.0,     342.0,       0.0);         ( 478270.4,
3774640.0,     342.0,     342.0,       0.0);
     ( 478320.4, 3774640.0,     342.7,     342.7,       0.0);         ( 478370.4,
3774640.0,     343.0,     343.0,       0.0);
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```
     ( 478420.4, 3774640.0,     343.0,     343.0,       0.0);         ( 478470.4,
3774640.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3774640.0,     344.0,     344.0,       0.0);         ( 478570.4,
3774640.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3774640.0,     345.0,     345.0,       0.0);         ( 478670.4,
3774640.0,     345.3,     345.3,       0.0);
     ( 478720.4, 3774640.0,     346.0,     346.0,       0.0);         ( 478770.4,
3774640.0,     346.0,     346.0,       0.0);
     ( 478820.4, 3774640.0,     346.4,     346.4,       0.0);         ( 478870.4,
3774640.0,     347.0,     347.0,       0.0);
     ( 479370.4, 3774640.0,     351.0,     351.0,       0.0);         ( 479420.4,
3774640.0,     352.0,     352.0,       0.0);
     ( 479470.4, 3774640.0,     352.0,     352.0,       0.0);         ( 479520.4,
3774640.0,     352.7,     352.7,       0.0);
     ( 479570.4, 3774640.0,     353.0,     353.0,       0.0);         ( 479620.4,
3774640.0,     353.8,     353.8,       0.0);
     ( 479670.4, 3774640.0,     354.0,     354.0,       0.0);         ( 479720.4,
3774640.0,     354.4,     354.4,       0.0);
     ( 479770.4, 3774640.0,     355.0,     355.0,       0.0);         ( 479820.4,
3774640.0,     355.0,     355.0,       0.0);
     ( 479870.4, 3774640.0,     356.0,     356.0,       0.0);         ( 479920.4,
3774640.0,     356.0,     356.0,       0.0);
     ( 479970.4, 3774640.0,     356.7,     356.7,       0.0);         ( 478170.4,
3774690.0,     342.0,     342.0,       0.0);
     ( 478220.4, 3774690.0,     342.0,     342.0,       0.0);         ( 478270.4,
3774690.0,     342.0,     342.0,       0.0);
     ( 478320.4, 3774690.0,     342.8,     342.8,       0.0);         ( 478370.4,
3774690.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3774690.0,     343.0,     343.0,       0.0);         ( 478470.4,
3774690.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3774690.0,     344.0,     344.0,       0.0);         ( 478570.4,
3774690.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3774690.0,     345.0,     345.0,       0.0);         ( 478670.4,
3774690.0,     346.0,     346.0,       0.0);
     ( 478720.4, 3774690.0,     346.0,     346.0,       0.0);         ( 478770.4,
3774690.0,     346.0,     346.0,       0.0);
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```
                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 478820.4, 3774690.0,     347.0,     347.0,       0.0);         ( 478868.7,
3774700.6,     347.0,     347.0,       0.0);
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     ( 478861.3, 3774671.1,     347.0,     347.0,       0.0);         ( 479026.6,
3774722.4,     348.2,     348.2,       0.0);
     ( 479059.0, 3774696.6,     348.8,     348.8,       0.0);         ( 479113.7,
3774695.1,     349.0,     349.0,       0.0);
     ( 479370.4, 3774690.0,     351.7,     351.7,       0.0);         ( 479420.4,
3774690.0,     352.0,     352.0,       0.0);
     ( 479470.4, 3774690.0,     352.0,     352.0,       0.0);         ( 479520.4,
3774690.0,     353.0,     353.0,       0.0);
     ( 479570.4, 3774690.0,     353.2,     353.2,       0.0);         ( 479620.4,
3774690.0,     354.0,     354.0,       0.0);
     ( 479670.4, 3774690.0,     354.0,     354.0,       0.0);         ( 479720.4,
3774690.0,     354.7,     354.7,       0.0);
     ( 479770.4, 3774690.0,     355.0,     355.0,       0.0);         ( 479820.4,
3774690.0,     355.7,     355.7,       0.0);
     ( 479870.4, 3774690.0,     356.0,     356.0,       0.0);         ( 479920.4,
3774690.0,     356.0,     356.0,       0.0);
     ( 479970.4, 3774690.0,     356.8,     356.8,       0.0);         ( 478170.4,
3774740.0,     342.0,     342.0,       0.0);
     ( 478220.4, 3774740.0,     342.0,     342.0,       0.0);         ( 478270.4,
3774740.0,     342.0,     342.0,       0.0);
     ( 478320.4, 3774740.0,     343.0,     343.0,       0.0);         ( 478370.4,
3774740.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3774740.0,     343.1,     343.1,       0.0);         ( 478470.4,
3774740.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3774740.0,     344.0,     344.0,       0.0);         ( 478570.4,
3774740.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3774740.0,     345.0,     345.0,       0.0);         ( 478670.4,
3774740.0,     346.0,     346.0,       0.0);
     ( 478720.4, 3774740.0,     346.0,     346.0,       0.0);         ( 478770.4,
3774740.0,     346.7,     346.7,       0.0);
     ( 478820.4, 3774740.0,     347.0,     347.0,       0.0);         ( 478863.0,
3774730.3,     347.6,     347.6,       0.0);
     ( 479020.4, 3774740.0,     348.0,     348.0,       0.0);         ( 479070.4,
3774740.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3774740.0,     349.0,     349.0,       0.0);         ( 479370.4,
3774740.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3774740.0,     352.0,     352.0,       0.0);         ( 479470.4,
3774740.0,     352.1,     352.1,       0.0);
     ( 479520.4, 3774740.0,     353.0,     353.0,       0.0);         ( 479570.4,
3774740.0,     353.4,     353.4,       0.0);
     ( 479620.4, 3774740.0,     354.0,     354.0,       0.0);         ( 479670.4,
3774740.0,     354.0,     354.0,       0.0);
     ( 479720.4, 3774740.0,     355.0,     355.0,       0.0);         ( 479770.4,
3774740.0,     355.0,     355.0,       0.0);
     ( 479820.4, 3774740.0,     356.0,     356.0,       0.0);         ( 479870.4,
3774740.0,     356.0,     356.0,       0.0);
     ( 479920.4, 3774740.0,     356.0,     356.0,       0.0);         ( 479970.4,
3774740.0,     357.0,     357.0,       0.0);
     ( 478170.4, 3774790.0,     342.0,     342.0,       0.0);         ( 478220.4,
3774790.0,     342.0,     342.0,       0.0);
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     ( 478270.4, 3774790.0,     342.0,     342.0,       0.0);         ( 478320.4,
3774790.0,     343.0,     343.0,       0.0);
     ( 478370.4, 3774790.0,     343.0,     343.0,       0.0);         ( 478420.4,
3774790.0,     344.0,     344.0,       0.0);
     ( 478470.4, 3774790.0,     344.0,     344.0,       0.0);         ( 478520.4,
3774790.0,     344.3,     344.3,       0.0);
     ( 478570.4, 3774790.0,     345.0,     345.0,       0.0);         ( 478620.4,
3774790.0,     345.0,     345.0,       0.0);
     ( 478670.4, 3774790.0,     346.0,     346.0,       0.0);         ( 478720.4,
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     ( 478770.4, 3774790.0,     346.9,     346.9,       0.0);         ( 478820.4,
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     ( 478870.4, 3774790.0,     348.0,     348.0,       0.0);         ( 478920.4,
3774790.0,     348.0,     348.0,       0.0);
     ( 478970.4, 3774790.0,     348.0,     348.0,       0.0);         ( 479020.4,
3774790.0,     348.8,     348.8,       0.0);
     ( 479070.4, 3774790.0,     349.0,     349.0,       0.0);         ( 479120.4,
3774790.0,     349.0,     349.0,       0.0);
     ( 479370.4, 3774790.0,     352.0,     352.0,       0.0);         ( 479420.4,
3774790.0,     352.0,     352.0,       0.0);
     ( 479470.4, 3774790.0,     353.0,     353.0,       0.0);         ( 479520.4,
3774790.0,     353.0,     353.0,       0.0);
     ( 479570.4, 3774790.0,     353.9,     353.9,       0.0);         ( 479620.4,
3774790.0,     354.0,     354.0,       0.0);
     ( 479670.4, 3774790.0,     354.0,     354.0,       0.0);         ( 479720.4,
3774790.0,     355.0,     355.0,       0.0);
     ( 479770.4, 3774790.0,     355.0,     355.0,       0.0);         ( 479820.4,
3774790.0,     356.0,     356.0,       0.0);
     ( 479870.4, 3774790.0,     356.0,     356.0,       0.0);         ( 479920.4,
3774790.0,     356.8,     356.8,       0.0);
     ( 479970.4, 3774790.0,     357.0,     357.0,       0.0);         ( 477970.4,
3774840.0,     340.0,     340.0,       0.0);
     ( 478020.4, 3774840.0,     341.0,     341.0,       0.0);         ( 478070.4,
3774840.0,     341.4,     341.4,       0.0);
     ( 478120.4, 3774840.0,     342.0,     342.0,       0.0);         ( 478170.4,
3774840.0,     342.0,     342.0,       0.0);
     ( 478220.4, 3774840.0,     342.0,     342.0,       0.0);         ( 478270.4,
3774840.0,     343.0,     343.0,       0.0);
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                           ***       10:39:05

                                     PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                       *** DISCRETE CARTESIAN RECEPTORS ***
                                     (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)
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```
     ( 478320.4, 3774840.0,     343.0,     343.0,       0.0);         ( 478370.4,
3774840.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3774840.0,     344.0,     344.0,       0.0);         ( 478470.4,
3774840.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3774840.0,     344.4,     344.4,       0.0);         ( 478570.4,
3774840.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3774840.0,     345.7,     345.7,       0.0);         ( 478670.4,
3774840.0,     346.0,     346.0,       0.0);
     ( 478720.4, 3774840.0,     346.0,     346.0,       0.0);         ( 478770.4,
3774840.0,     347.0,     347.0,       0.0);
     ( 478820.4, 3774840.0,     347.4,     347.4,       0.0);         ( 478870.4,
3774840.0,     348.0,     348.0,       0.0);
     ( 478920.4, 3774840.0,     348.0,     348.0,       0.0);         ( 478970.4,
3774840.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3774840.0,     349.0,     349.0,       0.0);         ( 479070.4,
3774840.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3774840.0,     349.4,     349.4,       0.0);         ( 479170.4,
3774840.0,     350.0,     350.0,       0.0);
     ( 479220.4, 3774840.0,     350.0,     350.0,       0.0);         ( 479270.4,
3774840.0,     351.0,     351.0,       0.0);
     ( 479320.4, 3774840.0,     351.0,     351.0,       0.0);         ( 479370.4,
3774840.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3774840.0,     352.4,     352.4,       0.0);         ( 479470.4,
3774840.0,     353.0,     353.0,       0.0);
     ( 479520.4, 3774840.0,     353.3,     353.3,       0.0);         ( 479570.4,
3774840.0,     354.0,     354.0,       0.0);
     ( 479620.4, 3774840.0,     354.0,     354.0,       0.0);         ( 479670.4,
3774840.0,     354.7,     354.7,       0.0);
     ( 479720.4, 3774840.0,     355.0,     355.0,       0.0);         ( 479770.4,
3774840.0,     355.0,     355.0,       0.0);
     ( 479820.4, 3774840.0,     356.0,     356.0,       0.0);         ( 479870.4,
3774840.0,     356.0,     356.0,       0.0);
     ( 479920.4, 3774840.0,     357.0,     357.0,       0.0);         ( 479970.4,
3774840.0,     357.0,     357.0,       0.0);
     ( 477970.4, 3774890.0,     341.0,     341.0,       0.0);         ( 478020.4,
3774890.0,     341.0,     341.0,       0.0);
     ( 478070.4, 3774890.0,     341.4,     341.4,       0.0);         ( 478120.4,
3774890.0,     342.0,     342.0,       0.0);
     ( 478170.4, 3774890.0,     342.0,     342.0,       0.0);         ( 478220.4,
3774890.0,     342.0,     342.0,       0.0);
     ( 478270.4, 3774890.0,     343.0,     343.0,       0.0);         ( 478320.4,
3774890.0,     343.0,     343.0,       0.0);
     ( 478370.4, 3774890.0,     343.0,     343.0,       0.0);         ( 478420.4,
3774890.0,     344.0,     344.0,       0.0);
     ( 478470.4, 3774890.0,     344.0,     344.0,       0.0);         ( 478520.4,
3774890.0,     344.4,     344.4,       0.0);
     ( 478570.4, 3774890.0,     345.0,     345.0,       0.0);         ( 478620.4,
3774890.0,     345.7,     345.7,       0.0);
     ( 478670.4, 3774890.0,     346.0,     346.0,       0.0);         ( 478720.4,
3774890.0,     346.0,     346.0,       0.0);
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     ( 478770.4, 3774890.0,     347.0,     347.0,       0.0);         ( 478820.4,
3774890.0,     347.4,     347.4,       0.0);
     ( 478870.4, 3774890.0,     348.0,     348.0,       0.0);         ( 478920.4,
3774890.0,     348.0,     348.0,       0.0);
     ( 478970.4, 3774890.0,     348.0,     348.0,       0.0);         ( 479020.4,
3774890.0,     349.0,     349.0,       0.0);
     ( 479070.4, 3774890.0,     349.0,     349.0,       0.0);         ( 479120.4,
3774890.0,     349.4,     349.4,       0.0);
     ( 479170.4, 3774890.0,     350.0,     350.0,       0.0);         ( 479220.4,
3774890.0,     350.0,     350.0,       0.0);
     ( 479270.4, 3774890.0,     351.0,     351.0,       0.0);         ( 479320.4,
3774890.0,     351.0,     351.0,       0.0);
     ( 479370.4, 3774890.0,     352.0,     352.0,       0.0);         ( 479420.4,
3774890.0,     352.4,     352.4,       0.0);
     ( 479470.4, 3774890.0,     353.0,     353.0,       0.0);         ( 479520.4,
3774890.0,     353.7,     353.7,       0.0);
     ( 479570.4, 3774890.0,     354.0,     354.0,       0.0);         ( 479620.4,
3774890.0,     354.0,     354.0,       0.0);
     ( 479670.4, 3774890.0,     354.7,     354.7,       0.0);         ( 479720.4,
3774890.0,     355.0,     355.0,       0.0);
     ( 479770.4, 3774890.0,     355.0,     355.0,       0.0);         ( 479820.4,
3774890.0,     356.0,     356.0,       0.0);
     ( 479870.4, 3774890.0,     356.0,     356.0,       0.0);         ( 479920.4,
3774890.0,     357.0,     357.0,       0.0);
     ( 479970.4, 3774890.0,     357.0,     357.0,       0.0);         ( 477970.4,
3774940.0,     341.0,     341.0,       0.0);
     ( 478020.4, 3774940.0,     341.0,     341.0,       0.0);         ( 478070.4,
3774940.0,     341.4,     341.4,       0.0);
     ( 478120.4, 3774940.0,     342.0,     342.0,       0.0);         ( 478170.4,
3774940.0,     342.0,     342.0,       0.0);
     ( 478220.4, 3774940.0,     342.0,     342.0,       0.0);         ( 478270.4,
3774940.0,     343.0,     343.0,       0.0);
     ( 478320.4, 3774940.0,     343.0,     343.0,       0.0);         ( 478370.4,
3774940.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3774940.0,     344.0,     344.0,       0.0);         ( 478470.4,
3774940.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3774940.0,     344.4,     344.4,       0.0);         ( 478570.4,
3774940.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3774940.0,     345.7,     345.7,       0.0);         ( 478670.4,
3774940.0,     346.0,     346.0,       0.0);
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                           ***       10:39:05

                                     PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                                   (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
```

(METERS)

(478720.4, 3774940.0, 346.0, 346.0, 0.0); (478770.4, 3774940.0, 346.8, 346.8, 0.0);
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(478920.4, 3774940.0, 348.0, 348.0, 0.0); (478970.4, 3774940.0, 348.0, 348.0, 0.0);
(479020.4, 3774940.0, 349.0, 349.0, 0.0); (479070.4, 3774940.0, 349.0, 349.0, 0.0);
(479120.4, 3774940.0, 349.4, 349.4, 0.0); (479170.4, 3774940.0, 350.0, 350.0, 0.0);
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(479520.4, 3774940.0, 353.7, 353.7, 0.0); (479570.4, 3774940.0, 354.0, 354.0, 0.0);
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(479920.4, 3774940.0, 357.0, 357.0, 0.0); (479970.4, 3774940.0, 357.0, 357.0, 0.0);
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(478170.4, 3774990.0, 342.0, 342.0, 0.0); (478220.4, 3774990.0, 342.0, 342.0, 0.0);
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(478370.4, 3774990.0, 343.0, 343.0, 0.0); (478420.4, 3774990.0, 344.0, 344.0, 0.0);
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(478570.4, 3774990.0, 345.0, 345.0, 0.0); (478620.4, 3774990.0, 345.7, 345.7, 0.0);
(478670.4, 3774990.0, 346.0, 346.0, 0.0); (478720.4, 3774990.0, 346.0, 346.0, 0.0);
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3774990.0,     349.4,     349.4,       0.0);
     ( 479170.4, 3774990.0,     350.0,     350.0,       0.0);         ( 479220.4,
3774990.0,     350.0,     350.0,       0.0);
     ( 479270.4, 3774990.0,     351.0,     351.0,       0.0);         ( 479320.4,
3774990.0,     351.0,     351.0,       0.0);
     ( 479370.4, 3774990.0,     352.0,     352.0,       0.0);         ( 479420.4,
3774990.0,     352.4,     352.4,       0.0);
     ( 479470.4, 3774990.0,     353.0,     353.0,       0.0);         ( 479520.4,
3774990.0,     353.7,     353.7,       0.0);
     ( 479570.4, 3774990.0,     354.0,     354.0,       0.0);         ( 479620.4,
3774990.0,     354.0,     354.0,       0.0);
     ( 479670.4, 3774990.0,     354.7,     354.7,       0.0);         ( 479720.4,
3774990.0,     355.0,     355.0,       0.0);
     ( 479770.4, 3774990.0,     355.6,     355.6,       0.0);         ( 479820.4,
3774990.0,     356.0,     356.0,       0.0);
     ( 479870.4, 3774990.0,     356.0,     356.0,       0.0);         ( 479920.4,
3774990.0,     357.0,     357.0,       0.0);
     ( 479970.4, 3774990.0,     357.0,     357.0,       0.0);         ( 477970.4,
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     ( 478020.4, 3775040.0,     341.0,     341.0,       0.0);         ( 478070.4,
3775040.0,     341.4,     341.4,       0.0);
     ( 478120.4, 3775040.0,     342.0,     342.0,       0.0);         ( 478170.4,
3775040.0,     342.0,     342.0,       0.0);
     ( 478220.4, 3775040.0,     342.0,     342.0,       0.0);         ( 478270.4,
3775040.0,     343.0,     343.0,       0.0);
     ( 478320.4, 3775040.0,     343.0,     343.0,       0.0);         ( 478370.4,
3775040.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3775040.0,     344.0,     344.0,       0.0);         ( 478470.4,
3775040.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3775040.0,     344.4,     344.4,       0.0);         ( 478570.4,
3775040.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3775040.0,     345.7,     345.7,       0.0);         ( 478670.4,
3775040.0,     346.0,     346.0,       0.0);
     ( 478720.4, 3775040.0,     346.0,     346.0,       0.0);         ( 478770.4,
3775040.0,     346.7,     346.7,       0.0);
     ( 478820.4, 3775040.0,     347.0,     347.0,       0.0);         ( 478870.4,
3775040.0,     348.0,     348.0,       0.0);
     ( 478920.4, 3775040.0,     348.0,     348.0,       0.0);         ( 478970.4,
3775040.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3775040.0,     349.0,     349.0,       0.0);         ( 479070.4,
3775040.0,     349.0,     349.0,       0.0);
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                           ***       10:39:05

                                   PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(479120.4, 3775040.0, 349.4, 349.4, 0.0); (479170.4, 3775040.0, 350.0, 350.0, 0.0);
(479220.4, 3775040.0, 350.0, 350.0, 0.0); (479270.4, 3775040.0, 351.0, 351.0, 0.0);
(479320.4, 3775040.0, 351.0, 351.0, 0.0); (479370.4, 3775040.0, 352.0, 352.0, 0.0);
(479420.4, 3775040.0, 352.4, 352.4, 0.0); (479470.4, 3775040.0, 353.0, 353.0, 0.0);
(479520.4, 3775040.0, 353.0, 353.0, 0.0); (479570.4, 3775040.0, 353.9, 353.9, 0.0);
(479620.4, 3775040.0, 354.0, 354.0, 0.0); (479670.4, 3775040.0, 354.6, 354.6, 0.0);
(479720.4, 3775040.0, 355.0, 355.0, 0.0); (479770.4, 3775040.0, 355.1, 355.1, 0.0);
(479820.4, 3775040.0, 356.0, 356.0, 0.0); (479870.4, 3775040.0, 356.0, 356.0, 0.0);
(479920.4, 3775040.0, 357.0, 357.0, 0.0); (479970.4, 3775040.0, 357.0, 357.0, 0.0);
(477970.4, 3775090.0, 341.0, 341.0, 0.0); (478020.4, 3775090.0, 341.0, 341.0, 0.0);
(478070.4, 3775090.0, 341.4, 341.4, 0.0); (478120.4, 3775090.0, 342.0, 342.0, 0.0);
(478170.4, 3775090.0, 342.0, 342.0, 0.0); (478220.4, 3775090.0, 342.0, 342.0, 0.0);
(478270.4, 3775090.0, 343.0, 343.0, 0.0); (478320.4, 3775090.0, 343.0, 343.0, 0.0);
(478370.4, 3775090.0, 343.0, 343.0, 0.0); (478420.4, 3775090.0, 344.0, 344.0, 0.0);
(478470.4, 3775090.0, 344.0, 344.0, 0.0); (478520.4, 3775090.0, 344.4, 344.4, 0.0);
(478570.4, 3775090.0, 345.0, 345.0, 0.0); (478620.4, 3775090.0, 345.7, 345.7, 0.0);
(478670.4, 3775090.0, 346.0, 346.0, 0.0); (478720.4, 3775090.0, 346.0, 346.0, 0.0);
(478770.4, 3775090.0, 346.1, 346.1, 0.0); (478820.4, 3775090.0, 347.0, 347.0, 0.0);
(478870.4, 3775090.0, 348.0, 348.0, 0.0); (478920.4, 3775090.0, 348.0, 348.0, 0.0);
(478970.4, 3775090.0, 348.0, 348.0, 0.0); (479020.4, 3775090.0, 349.0, 349.0, 0.0);
(479070.4, 3775090.0, 349.0, 349.0, 0.0); (479120.4, 3775090.0, 349.4, 349.4, 0.0);
(479170.4, 3775090.0, 350.0, 350.0, 0.0); (479220.4, 3775090.0, 350.0, 350.0, 0.0);
(479270.4, 3775090.0, 351.0, 351.0, 0.0); (479320.4, 3775090.0, 351.0, 351.0, 0.0);

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     ( 479370.4, 3775090.0,     352.0,     352.0,       0.0);         ( 479420.4,
3775090.0,     352.1,     352.1,       0.0);
     ( 479470.4, 3775090.0,     353.0,     353.0,       0.0);         ( 479520.4,
3775090.0,     353.0,     353.0,       0.0);
     ( 479570.4, 3775090.0,     353.4,     353.4,       0.0);         ( 479620.4,
3775090.0,     354.0,     354.0,       0.0);
     ( 479670.4, 3775090.0,     354.0,     354.0,       0.0);         ( 479720.4,
3775090.0,     355.0,     355.0,       0.0);
     ( 479770.4, 3775090.0,     356.0,     356.0,       0.0);         ( 479820.4,
3775090.0,     356.0,     356.0,       0.0);
     ( 479870.4, 3775090.0,     356.3,     356.3,       0.0);         ( 479920.4,
3775090.0,     357.0,     357.0,       0.0);
     ( 479970.4, 3775090.0,     357.0,     357.0,       0.0);         ( 477970.4,
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     ( 478020.4, 3775140.0,     341.0,     341.0,       0.0);         ( 478070.4,
3775140.0,     341.4,     341.4,       0.0);
     ( 478120.4, 3775140.0,     342.0,     342.0,       0.0);         ( 478170.4,
3775140.0,     342.0,     342.0,       0.0);
     ( 478220.4, 3775140.0,     342.0,     342.0,       0.0);         ( 478270.4,
3775140.0,     343.0,     343.0,       0.0);
     ( 478320.4, 3775140.0,     343.0,     343.0,       0.0);         ( 478370.4,
3775140.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3775140.0,     344.0,     344.0,       0.0);         ( 478470.4,
3775140.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3775140.0,     344.4,     344.4,       0.0);         ( 478570.4,
3775140.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3775140.0,     345.7,     345.7,       0.0);         ( 478670.4,
3775140.0,     346.0,     346.0,       0.0);
     ( 478720.4, 3775140.0,     346.0,     346.0,       0.0);         ( 478770.4,
3775140.0,     346.0,     346.0,       0.0);
     ( 478820.4, 3775140.0,     347.0,     347.0,       0.0);         ( 478870.4,
3775140.0,     347.6,     347.6,       0.0);
     ( 478920.4, 3775140.0,     348.0,     348.0,       0.0);         ( 478970.4,
3775140.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3775140.0,     349.0,     349.0,       0.0);         ( 479070.4,
3775140.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3775140.0,     349.4,     349.4,       0.0);         ( 479170.4,
3775140.0,     350.0,     350.0,       0.0);
     ( 479220.4, 3775140.0,     350.0,     350.0,       0.0);         ( 479270.4,
3775140.0,     351.0,     351.0,       0.0);
     ( 479320.4, 3775140.0,     351.0,     351.0,       0.0);         ( 479370.4,
3775140.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3775140.0,     352.0,     352.0,       0.0);         ( 479470.4,
3775140.0,     352.6,     352.6,       0.0);
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                           ***       10:39:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(479520.4, 3775140.0, 353.0, 353.0, 0.0); (479570.4, 3775140.0, 353.2, 353.2, 0.0);
(479620.4, 3775140.0, 354.0, 354.0, 0.0); (479670.4, 3775140.0, 354.0, 354.0, 0.0);
(479720.4, 3775140.0, 355.0, 355.0, 0.0); (479770.4, 3775140.0, 356.0, 356.0, 0.0);
(479820.4, 3775140.0, 356.0, 356.0, 0.0); (479870.4, 3775140.0, 356.4, 356.4, 0.0);
(479920.4, 3775140.0, 357.0, 357.0, 0.0); (479970.4, 3775140.0, 357.3, 357.3, 0.0);
(477970.4, 3775190.0, 341.0, 341.0, 0.0); (478020.4, 3775190.0, 341.0, 341.0, 0.0);
(478070.4, 3775190.0, 341.4, 341.4, 0.0); (478120.4, 3775190.0, 342.0, 342.0, 0.0);
(478170.4, 3775190.0, 342.0, 342.0, 0.0); (478220.4, 3775190.0, 342.0, 342.0, 0.0);
(478270.4, 3775190.0, 343.0, 343.0, 0.0); (478320.4, 3775190.0, 343.0, 343.0, 0.0);
(478370.4, 3775190.0, 343.0, 343.0, 0.0); (478420.4, 3775190.0, 344.0, 344.0, 0.0);
(478470.4, 3775190.0, 344.0, 344.0, 0.0); (478520.4, 3775190.0, 344.4, 344.4, 0.0);
(478570.4, 3775190.0, 345.0, 345.0, 0.0); (478620.4, 3775190.0, 345.7, 345.7, 0.0);
(478670.4, 3775190.0, 346.0, 346.0, 0.0); (478720.4, 3775190.0, 346.0, 346.0, 0.0);
(478770.4, 3775190.0, 346.0, 346.0, 0.0); (478820.4, 3775190.0, 347.0, 347.0, 0.0);
(478870.4, 3775190.0, 347.0, 347.0, 0.0); (478920.4, 3775190.0, 348.0, 348.0, 0.0);
(478970.4, 3775190.0, 348.0, 348.0, 0.0); (479020.4, 3775190.0, 349.0, 349.0, 0.0);
(479070.4, 3775190.0, 349.0, 349.0, 0.0); (479120.4, 3775190.0, 349.4, 349.4, 0.0);
(479170.4, 3775190.0, 350.0, 350.0, 0.0); (479220.4, 3775190.0, 350.0, 350.0, 0.0);
(479270.4, 3775190.0, 351.0, 351.0, 0.0); (479320.4, 3775190.0, 351.0, 351.0, 0.0);
(479370.4, 3775190.0, 352.0, 352.0, 0.0); (479420.4, 3775190.0, 352.0, 352.0, 0.0);
(479470.4, 3775190.0, 352.0, 352.0, 0.0); (479520.4, 3775190.0, 353.0, 353.0, 0.0);
(479570.4, 3775190.0, 353.0, 353.0, 0.0); (479620.4, 3775190.0, 354.0, 354.0, 0.0);

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     ( 479670.4, 3775190.0,     354.0,     354.0,       0.0);         ( 479720.4,
3775190.0,     355.0,     355.0,       0.0);
     ( 479770.4, 3775190.0,     356.0,     356.0,       0.0);         ( 479820.4,
3775190.0,     356.0,     356.0,       0.0);
     ( 479870.4, 3775190.0,     357.0,     357.0,       0.0);         ( 479920.4,
3775190.0,     357.0,     357.0,       0.0);
     ( 479970.4, 3775190.0,     357.7,     357.7,       0.0);         ( 477970.4,
3775240.0,     341.0,     341.0,       0.0);
     ( 478020.4, 3775240.0,     341.0,     341.0,       0.0);         ( 478070.4,
3775240.0,     341.4,     341.4,       0.0);
     ( 478120.4, 3775240.0,     342.0,     342.0,       0.0);         ( 478170.4,
3775240.0,     342.0,     342.0,       0.0);
     ( 478220.4, 3775240.0,     342.0,     342.0,       0.0);         ( 478270.4,
3775240.0,     343.0,     343.0,       0.0);
     ( 478320.4, 3775240.0,     343.0,     343.0,       0.0);         ( 478370.4,
3775240.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3775240.0,     344.0,     344.0,       0.0);         ( 478470.4,
3775240.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3775240.0,     344.4,     344.4,       0.0);         ( 478570.4,
3775240.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3775240.0,     345.1,     345.1,       0.0);         ( 478670.4,
3775240.0,     346.0,     346.0,       0.0);
     ( 478720.4, 3775240.0,     346.0,     346.0,       0.0);         ( 478770.4,
3775240.0,     346.0,     346.0,       0.0);
     ( 478820.4, 3775240.0,     347.0,     347.0,       0.0);         ( 478870.4,
3775240.0,     347.0,     347.0,       0.0);
     ( 478920.4, 3775240.0,     348.0,     348.0,       0.0);         ( 478970.4,
3775240.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3775240.0,     349.0,     349.0,       0.0);         ( 479070.4,
3775240.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3775240.0,     349.4,     349.4,       0.0);         ( 479170.4,
3775240.0,     350.0,     350.0,       0.0);
     ( 479220.4, 3775240.0,     350.0,     350.0,       0.0);         ( 479270.4,
3775240.0,     351.0,     351.0,       0.0);
     ( 479320.4, 3775240.0,     351.0,     351.0,       0.0);         ( 479370.4,
3775240.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3775240.0,     352.0,     352.0,       0.0);         ( 479470.4,
3775240.0,     352.8,     352.8,       0.0);
     ( 479520.4, 3775240.0,     353.0,     353.0,       0.0);         ( 479570.4,
3775240.0,     353.3,     353.3,       0.0);
     ( 479620.4, 3775240.0,     354.0,     354.0,       0.0);         ( 479670.4,
3775240.0,     354.5,     354.5,       0.0);
     ( 479720.4, 3775240.0,     355.0,     355.0,       0.0);         ( 479770.4,
3775240.0,     356.0,     356.0,       0.0);
     ( 479820.4, 3775240.0,     356.0,     356.0,       0.0);         ( 479870.4,
3775240.0,     357.0,     357.0,       0.0);
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                           ***       10:39:05
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(479920.4, 3775240.0, 357.0, 357.0, 0.0); (479970.4, 3775240.0, 357.7, 357.7, 0.0);
(477970.4, 3775290.0, 340.0, 340.0, 0.0); (478020.4, 3775290.0, 341.0, 341.0, 0.0);
(478070.4, 3775290.0, 341.4, 341.4, 0.0); (478120.4, 3775290.0, 342.0, 342.0, 0.0);
(478170.4, 3775290.0, 342.0, 342.0, 0.0); (478220.4, 3775290.0, 342.0, 342.0, 0.0);
(478270.4, 3775290.0, 343.0, 343.0, 0.0); (478320.4, 3775290.0, 343.0, 343.0, 0.0);
(478370.4, 3775290.0, 343.0, 343.0, 0.0); (478420.4, 3775290.0, 344.0, 344.0, 0.0);
(478470.4, 3775290.0, 344.0, 344.0, 0.0); (478520.4, 3775290.0, 344.4, 344.4, 0.0);
(478570.4, 3775290.0, 345.0, 345.0, 0.0); (478620.4, 3775290.0, 345.0, 345.0, 0.0);
(478670.4, 3775290.0, 346.0, 346.0, 0.0); (478720.4, 3775290.0, 346.0, 346.0, 0.0);
(478770.4, 3775290.0, 346.0, 346.0, 0.0); (478820.4, 3775290.0, 346.7, 346.7, 0.0);
(478870.4, 3775290.0, 347.0, 347.0, 0.0); (478920.4, 3775290.0, 348.0, 348.0, 0.0);
(478970.4, 3775290.0, 348.0, 348.0, 0.0); (479020.4, 3775290.0, 349.0, 349.0, 0.0);
(479070.4, 3775290.0, 349.0, 349.0, 0.0); (479120.4, 3775290.0, 349.4, 349.4, 0.0);
(479170.4, 3775290.0, 350.0, 350.0, 0.0); (479220.4, 3775290.0, 350.0, 350.0, 0.0);
(479270.4, 3775290.0, 351.0, 351.0, 0.0); (479320.4, 3775290.0, 351.0, 351.0, 0.0);
(479370.4, 3775290.0, 352.0, 352.0, 0.0); (479420.4, 3775290.0, 352.0, 352.0, 0.0);
(479470.4, 3775290.0, 353.0, 353.0, 0.0); (479520.4, 3775290.0, 353.0, 353.0, 0.0);
(479570.4, 3775290.0, 354.0, 354.0, 0.0); (479620.4, 3775290.0, 354.0, 354.0, 0.0);
(479670.4, 3775290.0, 354.7, 354.7, 0.0); (479720.4, 3775290.0, 355.4, 355.4, 0.0);
(479770.4, 3775290.0, 356.0, 356.0, 0.0); (479820.4, 3775290.0, 356.0, 356.0, 0.0);
(479870.4, 3775290.0, 357.0, 357.0, 0.0); (479920.4, 3775290.0, 357.0, 357.0, 0.0);

(479970.4, 3775290.0, 358.0, 358.0, 0.0); (477970.4,
3775340.0, 340.0, 340.0, 0.0);
(478020.4, 3775340.0, 341.0, 341.0, 0.0); (478070.4,
3775340.0, 341.0, 341.0, 0.0);
(478120.4, 3775340.0, 342.0, 342.0, 0.0); (478170.4,
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(478220.4, 3775340.0, 342.0, 342.0, 0.0); (478270.4,
3775340.0, 342.9, 342.9, 0.0);
(478320.4, 3775340.0, 343.0, 343.0, 0.0); (478370.4,
3775340.0, 343.0, 343.0, 0.0);
(478420.4, 3775340.0, 344.0, 344.0, 0.0); (478470.4,
3775340.0, 344.0, 344.0, 0.0);
(478520.4, 3775340.0, 344.4, 344.4, 0.0); (478570.4,
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(478620.4, 3775340.0, 345.0, 345.0, 0.0); (478670.4,
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(478720.4, 3775340.0, 346.0, 346.0, 0.0); (478770.4,
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(478820.4, 3775340.0, 347.0, 347.0, 0.0); (478870.4,
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(478920.4, 3775340.0, 348.0, 348.0, 0.0); (478970.4,
3775340.0, 348.0, 348.0, 0.0);
(479020.4, 3775340.0, 349.0, 349.0, 0.0); (479070.4,
3775340.0, 349.0, 349.0, 0.0);
(479120.4, 3775340.0, 349.4, 349.4, 0.0); (479170.4,
3775340.0, 350.0, 350.0, 0.0);
(479220.4, 3775340.0, 350.0, 350.0, 0.0); (479270.4,
3775340.0, 351.0, 351.0, 0.0);
(479320.4, 3775340.0, 351.0, 351.0, 0.0); (479370.4,
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(479420.4, 3775340.0, 352.0, 352.0, 0.0); (479470.4,
3775340.0, 353.0, 353.0, 0.0);
(479520.4, 3775340.0, 353.0, 353.0, 0.0); (479570.4,
3775340.0, 354.0, 354.0, 0.0);
(479620.4, 3775340.0, 354.0, 354.0, 0.0); (479670.4,
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(479720.4, 3775340.0, 355.4, 355.4, 0.0); (479770.4,
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(479820.4, 3775340.0, 356.0, 356.0, 0.0); (479870.4,
3775340.0, 357.0, 357.0, 0.0);
(479920.4, 3775340.0, 357.0, 357.0, 0.0); (479970.4,
3775340.0, 358.0, 358.0, 0.0);
(477970.4, 3775390.0, 340.0, 340.0, 0.0); (478020.4,
3775390.0, 341.0, 341.0, 0.0);
(478070.4, 3775390.0, 341.0, 341.0, 0.0); (478120.4,
3775390.0, 342.0, 342.0, 0.0);
(478170.4, 3775390.0, 342.0, 342.0, 0.0); (478220.4,
3775390.0, 342.0, 342.0, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(478270.4, 3775390.0, 342.0, 342.0, 0.0); (478320.4, 3775390.0, 343.0, 343.0, 0.0);
(478370.4, 3775390.0, 343.0, 343.0, 0.0); (478420.4, 3775390.0, 344.0, 344.0, 0.0);
(478470.4, 3775390.0, 344.0, 344.0, 0.0); (478520.4, 3775390.0, 344.1, 344.1, 0.0);
(478570.4, 3775390.0, 345.0, 345.0, 0.0); (478620.4, 3775390.0, 345.0, 345.0, 0.0);
(478670.4, 3775390.0, 345.9, 345.9, 0.0); (478720.4, 3775390.0, 346.0, 346.0, 0.0);
(478770.4, 3775390.0, 346.0, 346.0, 0.0); (478820.4, 3775390.0, 347.0, 347.0, 0.0);
(478870.4, 3775390.0, 347.0, 347.0, 0.0); (478920.4, 3775390.0, 348.0, 348.0, 0.0);
(478970.4, 3775390.0, 348.0, 348.0, 0.0); (479020.4, 3775390.0, 349.0, 349.0, 0.0);
(479070.4, 3775390.0, 349.0, 349.0, 0.0); (479120.4, 3775390.0, 349.4, 349.4, 0.0);
(479170.4, 3775390.0, 350.0, 350.0, 0.0); (479220.4, 3775390.0, 350.0, 350.0, 0.0);
(479270.4, 3775390.0, 351.0, 351.0, 0.0); (479320.4, 3775390.0, 351.0, 351.0, 0.0);
(479370.4, 3775390.0, 352.0, 352.0, 0.0); (479420.4, 3775390.0, 352.0, 352.0, 0.0);
(479470.4, 3775390.0, 353.0, 353.0, 0.0); (479520.4, 3775390.0, 353.0, 353.0, 0.0);
(479570.4, 3775390.0, 353.5, 353.5, 0.0); (479620.4, 3775390.0, 354.0, 354.0, 0.0);
(479670.4, 3775390.0, 354.9, 354.9, 0.0); (479720.4, 3775390.0, 355.4, 355.4, 0.0);
(479770.4, 3775390.0, 356.0, 356.0, 0.0); (479820.4, 3775390.0, 356.5, 356.5, 0.0);
(479870.4, 3775390.0, 357.0, 357.0, 0.0); (479920.4, 3775390.0, 357.8, 357.8, 0.0);
(479970.4, 3775390.0, 358.0, 358.0, 0.0); (477970.4, 3775440.0, 340.0, 340.0, 0.0);
(478020.4, 3775440.0, 340.7, 340.7, 0.0); (478070.4, 3775440.0, 341.0, 341.0, 0.0);
(478120.4, 3775440.0, 341.0, 341.0, 0.0); (478170.4, 3775440.0, 342.0, 342.0, 0.0);

```
     ( 478220.4, 3775440.0,     342.0,     342.0,       0.0);         ( 478270.4,
3775440.0,     342.0,     342.0,       0.0);
     ( 478320.4, 3775440.0,     342.9,     342.9,       0.0);         ( 478370.4,
3775440.0,     343.0,     343.0,       0.0);
     ( 478420.4, 3775440.0,     343.0,     343.0,       0.0);         ( 478470.4,
3775440.0,     344.0,     344.0,       0.0);
     ( 478520.4, 3775440.0,     344.0,     344.0,       0.0);         ( 478570.4,
3775440.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3775440.0,     345.0,     345.0,       0.0);         ( 478670.4,
3775440.0,     345.4,     345.4,       0.0);
     ( 478720.4, 3775440.0,     346.0,     346.0,       0.0);         ( 478770.4,
3775440.0,     346.0,     346.0,       0.0);
     ( 478820.4, 3775440.0,     347.0,     347.0,       0.0);         ( 478870.4,
3775440.0,     348.0,     348.0,       0.0);
     ( 478920.4, 3775440.0,     348.0,     348.0,       0.0);         ( 478970.4,
3775440.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3775440.0,     349.0,     349.0,       0.0);         ( 479070.4,
3775440.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3775440.0,     349.4,     349.4,       0.0);         ( 479170.4,
3775440.0,     350.0,     350.0,       0.0);
     ( 479220.4, 3775440.0,     350.0,     350.0,       0.0);         ( 479270.4,
3775440.0,     351.0,     351.0,       0.0);
     ( 479320.4, 3775440.0,     351.0,     351.0,       0.0);         ( 479370.4,
3775440.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3775440.0,     352.0,     352.0,       0.0);         ( 479470.4,
3775440.0,     353.0,     353.0,       0.0);
     ( 479520.4, 3775440.0,     353.0,     353.0,       0.0);         ( 479570.4,
3775440.0,     353.4,     353.4,       0.0);
     ( 479620.4, 3775440.0,     354.0,     354.0,       0.0);         ( 479670.4,
3775440.0,     355.0,     355.0,       0.0);
     ( 479720.4, 3775440.0,     355.7,     355.7,       0.0);         ( 479770.4,
3775440.0,     356.0,     356.0,       0.0);
     ( 479820.4, 3775440.0,     356.8,     356.8,       0.0);         ( 479870.4,
3775440.0,     357.2,     357.2,       0.0);
     ( 479920.4, 3775440.0,     358.0,     358.0,       0.0);         ( 479970.4,
3775440.0,     358.0,     358.0,       0.0);
     ( 477970.4, 3775490.0,     340.0,     340.0,       0.0);         ( 478020.4,
3775490.0,     340.0,     340.0,       0.0);
     ( 478070.4, 3775490.0,     340.9,     340.9,       0.0);         ( 478120.4,
3775490.0,     341.0,     341.0,       0.0);
     ( 478170.4, 3775490.0,     341.7,     341.7,       0.0);         ( 478220.4,
3775490.0,     342.0,     342.0,       0.0);
     ( 478270.4, 3775490.0,     342.0,     342.0,       0.0);         ( 478320.4,
3775490.0,     342.7,     342.7,       0.0);
     ( 478370.4, 3775490.0,     343.0,     343.0,       0.0);         ( 478420.4,
3775490.0,     343.0,     343.0,       0.0);
     ( 478470.4, 3775490.0,     344.0,     344.0,       0.0);         ( 478520.4,
3775490.0,     344.0,     344.0,       0.0);
     ( 478570.4, 3775490.0,     345.0,     345.0,       0.0);         ( 478620.4,
3775490.0,     345.0,     345.0,       0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(478670.4, 3775490.0, 345.4, 345.4, 0.0); (478720.4, 3775490.0, 346.0, 346.0, 0.0);
(478770.4, 3775490.0, 346.0, 346.0, 0.0); (478820.4, 3775490.0, 347.0, 347.0, 0.0);
(478870.4, 3775490.0, 348.0, 348.0, 0.0); (478920.4, 3775490.0, 348.0, 348.0, 0.0);
(478970.4, 3775490.0, 348.0, 348.0, 0.0); (479020.4, 3775490.0, 349.0, 349.0, 0.0);
(479070.4, 3775490.0, 349.0, 349.0, 0.0); (479120.4, 3775490.0, 349.4, 349.4, 0.0);
(479170.4, 3775490.0, 350.0, 350.0, 0.0); (479220.4, 3775490.0, 350.0, 350.0, 0.0);
(479270.4, 3775490.0, 351.0, 351.0, 0.0); (479320.4, 3775490.0, 351.0, 351.0, 0.0);
(479370.4, 3775490.0, 352.0, 352.0, 0.0); (479420.4, 3775490.0, 352.0, 352.0, 0.0);
(479470.4, 3775490.0, 353.0, 353.0, 0.0); (479520.4, 3775490.0, 353.0, 353.0, 0.0);
(479570.4, 3775490.0, 353.4, 353.4, 0.0); (479620.4, 3775490.0, 354.0, 354.0, 0.0);
(479670.4, 3775490.0, 355.0, 355.0, 0.0); (479720.4, 3775490.0, 356.0, 356.0, 0.0);
(479770.4, 3775490.0, 356.0, 356.0, 0.0); (479820.4, 3775490.0, 357.0, 357.0, 0.0);
(479870.4, 3775490.0, 357.4, 357.4, 0.0); (479920.4, 3775490.0, 358.0, 358.0, 0.0);
(479970.4, 3775490.0, 358.1, 358.1, 0.0); (477970.4, 3775540.0, 340.0, 340.0, 0.0);
(478020.4, 3775540.0, 340.0, 340.0, 0.0); (478070.4, 3775540.0, 340.4, 340.4, 0.0);
(478120.4, 3775540.0, 341.0, 341.0, 0.0); (478170.4, 3775540.0, 341.1, 341.1, 0.0);
(478220.4, 3775540.0, 342.0, 342.0, 0.0); (478270.4, 3775540.0, 342.0, 342.0, 0.0);
(478320.4, 3775540.0, 342.1, 342.1, 0.0); (478370.4, 3775540.0, 343.0, 343.0, 0.0);
(478420.4, 3775540.0, 343.0, 343.0, 0.0); (478470.4, 3775540.0, 343.8, 343.8, 0.0);

```
     ( 478520.4, 3775540.0,     344.0,     344.0,       0.0);         ( 478570.4,
3775540.0,     345.0,     345.0,       0.0);
     ( 478620.4, 3775540.0,     345.0,     345.0,       0.0);         ( 478670.4,
3775540.0,     345.1,     345.1,       0.0);
     ( 478720.4, 3775540.0,     346.0,     346.0,       0.0);         ( 478770.4,
3775540.0,     346.0,     346.0,       0.0);
     ( 478820.4, 3775540.0,     347.0,     347.0,       0.0);         ( 478870.4,
3775540.0,     347.2,     347.2,       0.0);
     ( 478920.4, 3775540.0,     348.0,     348.0,       0.0);         ( 478970.4,
3775540.0,     348.0,     348.0,       0.0);
     ( 479020.4, 3775540.0,     349.0,     349.0,       0.0);         ( 479070.4,
3775540.0,     349.0,     349.0,       0.0);
     ( 479120.4, 3775540.0,     349.4,     349.4,       0.0);         ( 479170.4,
3775540.0,     350.0,     350.0,       0.0);
     ( 479220.4, 3775540.0,     350.0,     350.0,       0.0);         ( 479270.4,
3775540.0,     351.0,     351.0,       0.0);
     ( 479320.4, 3775540.0,     351.0,     351.0,       0.0);         ( 479370.4,
3775540.0,     352.0,     352.0,       0.0);
     ( 479420.4, 3775540.0,     352.0,     352.0,       0.0);         ( 479470.4,
3775540.0,     353.0,     353.0,       0.0);
     ( 479520.4, 3775540.0,     353.0,     353.0,       0.0);         ( 479570.4,
3775540.0,     353.4,     353.4,       0.0);
     ( 479620.4, 3775540.0,     354.0,     354.0,       0.0);         ( 479670.4,
3775540.0,     355.0,     355.0,       0.0);
     ( 479720.4, 3775540.0,     356.0,     356.0,       0.0);         ( 479770.4,
3775540.0,     356.8,     356.8,       0.0);
     ( 479820.4, 3775540.0,     357.0,     357.0,       0.0);         ( 479870.4,
3775540.0,     358.0,     358.0,       0.0);
     ( 479920.4, 3775540.0,     358.0,     358.0,       0.0);         ( 479970.4,
3775540.0,     358.9,     358.9,       0.0);
     ( 478861.4, 3774619.4,     347.0,     347.0,       0.0);         ( 478791.5,
3774517.7,     345.4,     345.4,       0.0);
     ( 478789.6, 3774444.3,     345.3,     345.3,       0.0);         ( 478748.8,
3774449.8,     345.0,     345.0,       0.0);
     ( 479103.5, 3774681.4,     349.0,     349.0,       0.0);         ( 479094.5,
3774696.2,     349.0,     349.0,       0.0);
     ( 479077.3, 3774697.0,     349.0,     349.0,       0.0);         ( 479101.5,
3774731.7,     349.0,     349.0,       0.0);
     ( 479782.9, 3774151.5,     353.4,     353.4,       0.0);         ( 479890.1,
3774169.2,     354.0,     354.0,       0.0);
     ( 479890.1, 3774137.2,     354.0,     354.0,       0.0);         ( 479913.7,
3774138.0,     354.0,     354.0,       0.0);
     ( 479911.1, 3774168.4,     354.0,     354.0,       0.0);         ( 479885.8,
3774064.6,     354.0,     354.0,       0.0);
     ( 480398.5, 3774179.1,     359.4,     359.4,       0.0);         ( 480448.5,
3774179.1,     360.0,     360.0,       0.0);
     ( 480498.5, 3774179.1,     360.3,     360.3,       0.0);         ( 479998.5,
3774229.1,     355.6,     355.6,       0.0);
     ( 480048.5, 3774229.1,     356.0,     356.0,       0.0);         ( 480098.5,
3774229.1,     356.9,     356.9,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(480248.5, 3774229.1, 358.0, 358.0, 0.0); (480298.5, 3774229.1, 358.6, 358.6, 0.0);
(480348.5, 3774229.1, 359.0, 359.0, 0.0); (480398.5, 3774229.1, 360.0, 360.0, 0.0);
(480448.5, 3774229.1, 360.0, 360.0, 0.0); (480498.5, 3774229.1, 361.0, 361.0, 0.0);
(479998.5, 3774279.1, 355.6, 355.6, 0.0); (480048.5, 3774279.1, 356.0, 356.0, 0.0);
(480098.5, 3774279.1, 356.9, 356.9, 0.0); (480148.5, 3774279.1, 357.0, 357.0, 0.0);
(480198.5, 3774279.1, 357.8, 357.8, 0.0); (480248.5, 3774279.1, 358.0, 358.0, 0.0);
(480298.5, 3774279.1, 358.6, 358.6, 0.0); (480348.5, 3774279.1, 359.3, 359.3, 0.0);
(480398.5, 3774279.1, 360.0, 360.0, 0.0); (480448.5, 3774279.1, 360.0, 360.0, 0.0);
(480498.5, 3774279.1, 360.5, 360.5, 0.0); (479998.5, 3774329.1, 356.0, 356.0, 0.0);
(480048.5, 3774329.1, 356.3, 356.3, 0.0); (480098.5, 3774329.1, 357.0, 357.0, 0.0);
(480148.5, 3774329.1, 357.0, 357.0, 0.0); (480198.5, 3774329.1, 358.0, 358.0, 0.0);
(480248.5, 3774329.1, 358.0, 358.0, 0.0); (480298.5, 3774329.1, 358.6, 358.6, 0.0);
(480348.5, 3774329.1, 359.0, 359.0, 0.0); (480398.5, 3774329.1, 359.5, 359.5, 0.0);
(480448.5, 3774329.1, 360.0, 360.0, 0.0); (480498.5, 3774329.1, 360.3, 360.3, 0.0);
(479998.5, 3774379.1, 356.0, 356.0, 0.0); (480048.5, 3774379.1, 356.3, 356.3, 0.0);
(480098.5, 3774379.1, 357.0, 357.0, 0.0); (480148.5, 3774379.1, 357.0, 357.0, 0.0);
(480198.5, 3774379.1, 358.0, 358.0, 0.0); (480248.5, 3774379.1, 358.0, 358.0, 0.0);
(480298.5, 3774379.1, 358.6, 358.6, 0.0); (480348.5, 3774379.1, 359.0, 359.0, 0.0);

```
     ( 480398.5, 3774379.1,     359.0,     359.0,       0.0);         ( 480448.5,
3774379.1,     360.0,     360.0,       0.0);
     ( 480498.5, 3774379.1,     360.3,     360.3,       0.0);         ( 479998.5,
3774429.1,     356.0,     356.0,       0.0);
     ( 480048.5, 3774429.1,     356.8,     356.8,       0.0);         ( 480098.5,
3774429.1,     357.0,     357.0,       0.0);
     ( 480148.5, 3774429.1,     357.5,     357.5,       0.0);         ( 480198.5,
3774429.1,     358.0,     358.0,       0.0);
     ( 480248.5, 3774429.1,     358.0,     358.0,       0.0);         ( 480298.5,
3774429.1,     358.6,     358.6,       0.0);
     ( 480348.5, 3774429.1,     359.0,     359.0,       0.0);         ( 480398.5,
3774429.1,     359.7,     359.7,       0.0);
     ( 480448.5, 3774429.1,     360.0,     360.0,       0.0);         ( 480498.5,
3774429.1,     360.3,     360.3,       0.0);
     ( 479998.5, 3774479.1,     356.3,     356.3,       0.0);         ( 480048.5,
3774479.1,     357.0,     357.0,       0.0);
     ( 480098.5, 3774479.1,     357.0,     357.0,       0.0);         ( 480148.5,
3774479.1,     357.6,     357.6,       0.0);
     ( 480198.5, 3774479.1,     358.0,     358.0,       0.0);         ( 480248.5,
3774479.1,     358.0,     358.0,       0.0);
     ( 480298.5, 3774479.1,     359.0,     359.0,       0.0);         ( 480348.5,
3774479.1,     359.0,     359.0,       0.0);
     ( 480398.5, 3774479.1,     359.9,     359.9,       0.0);         ( 480448.5,
3774479.1,     360.0,     360.0,       0.0);
     ( 480498.5, 3774479.1,     360.6,     360.6,       0.0);         ( 479998.5,
3774529.1,     356.6,     356.6,       0.0);
     ( 480048.5, 3774529.1,     357.0,     357.0,       0.0);         ( 480098.5,
3774529.1,     357.1,     357.1,       0.0);
     ( 480148.5, 3774529.1,     358.0,     358.0,       0.0);         ( 480198.5,
3774529.1,     358.0,     358.0,       0.0);
     ( 480248.5, 3774529.1,     358.1,     358.1,       0.0);         ( 480298.5,
3774529.1,     359.0,     359.0,       0.0);
     ( 480348.5, 3774529.1,     359.0,     359.0,       0.0);         ( 480398.5,
3774529.1,     360.0,     360.0,       0.0);
     ( 480448.5, 3774529.1,     360.0,     360.0,       0.0);         ( 480498.5,
3774529.1,     361.0,     361.0,       0.0);
     ( 479998.5, 3774579.1,     356.9,     356.9,       0.0);         ( 480048.5,
3774579.1,     357.0,     357.0,       0.0);
     ( 480098.5, 3774579.1,     357.9,     357.9,       0.0);         ( 480148.5,
3774579.1,     358.0,     358.0,       0.0);
     ( 480198.5, 3774579.1,     358.0,     358.0,       0.0);         ( 480248.5,
3774579.1,     358.9,     358.9,       0.0);
     ( 480298.5, 3774579.1,     359.0,     359.0,       0.0);         ( 480348.5,
3774579.1,     359.8,     359.8,       0.0);
     ( 480398.5, 3774579.1,     360.0,     360.0,       0.0);         ( 480448.5,
3774579.1,     360.5,     360.5,       0.0);
     ( 480498.5, 3774579.1,     361.0,     361.0,       0.0);         ( 479998.5,
3774629.1,     357.0,     357.0,       0.0);
     ( 480048.5, 3774629.1,     357.1,     357.1,       0.0);         ( 480098.5,
3774629.1,     358.0,     358.0,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(480348.5, 3774629.1, 360.0, 360.0, 0.0); (480398.5, 3774629.1, 360.0, 360.0, 0.0);
(480448.5, 3774629.1, 361.0, 361.0, 0.0); (480498.5, 3774629.1, 361.6, 361.6, 0.0);
(479998.5, 3774679.1, 357.0, 357.0, 0.0); (480048.5, 3774679.1, 357.3, 357.3, 0.0);
(480098.5, 3774679.1, 358.0, 358.0, 0.0); (480148.5, 3774679.1, 358.1, 358.1, 0.0);
(480198.5, 3774679.1, 359.0, 359.0, 0.0); (480248.5, 3774679.1, 359.1, 359.1, 0.0);
(480298.5, 3774679.1, 360.0, 360.0, 0.0); (480348.5, 3774679.1, 360.0, 360.0, 0.0);
(480398.5, 3774679.1, 361.0, 361.0, 0.0); (480448.5, 3774679.1, 361.1, 361.1, 0.0);
(480498.5, 3774679.1, 362.0, 362.0, 0.0); (479998.5, 3774729.1, 357.0, 357.0, 0.0);
(480048.5, 3774729.1, 357.8, 357.8, 0.0); (480098.5, 3774729.1, 358.0, 358.0, 0.0);
(480148.5, 3774729.1, 358.6, 358.6, 0.0); (480198.5, 3774729.1, 359.0, 359.0, 0.0);
(480248.5, 3774729.1, 359.9, 359.9, 0.0); (480298.5, 3774729.1, 360.0, 360.0, 0.0);
(480348.5, 3774729.1, 360.3, 360.3, 0.0); (480398.5, 3774729.1, 361.0, 361.0, 0.0);
(480448.5, 3774729.1, 361.6, 361.6, 0.0); (480498.5, 3774729.1, 362.0, 362.0, 0.0);
(479998.5, 3774779.1, 357.0, 357.0, 0.0); (480048.5, 3774779.1, 358.0, 358.0, 0.0);
(480098.5, 3774779.1, 358.0, 358.0, 0.0); (480148.5, 3774779.1, 358.6, 358.6, 0.0);
(480198.5, 3774779.1, 359.3, 359.3, 0.0); (480248.5, 3774779.1, 360.0, 360.0, 0.0);
(480298.5, 3774779.1, 360.0, 360.0, 0.0); (480348.5, 3774779.1, 361.0, 361.0, 0.0);

```
    ( 480398.5, 3774779.1,     361.0,     361.0,       0.0);         ( 480448.5,
3774779.1,     361.8,     361.8,       0.0);
    ( 480498.5, 3774779.1,     362.0,     362.0,       0.0);         ( 479998.5,
3774829.1,     357.1,     357.1,       0.0);
    ( 480048.5, 3774829.1,     358.0,     358.0,       0.0);         ( 480098.5,
3774829.1,     358.0,     358.0,       0.0);
    ( 480148.5, 3774829.1,     358.6,     358.6,       0.0);         ( 480198.5,
3774829.1,     359.3,     359.3,       0.0);
    ( 480248.5, 3774829.1,     360.0,     360.0,       0.0);         ( 480298.5,
3774829.1,     360.0,     360.0,       0.0);
    ( 480348.5, 3774829.1,     361.0,     361.0,       0.0);         ( 480398.5,
3774829.1,     361.0,     361.0,       0.0);
    ( 480448.5, 3774829.1,     362.0,     362.0,       0.0);         ( 480498.5,
3774829.1,     362.3,     362.3,       0.0);
    ( 479998.5, 3774879.1,     357.6,     357.6,       0.0);         ( 480048.5,
3774879.1,     358.0,     358.0,       0.0);
    ( 480098.5, 3774879.1,     358.0,     358.0,       0.0);         ( 480148.5,
3774879.1,     358.6,     358.6,       0.0);
    ( 480198.5, 3774879.1,     359.1,     359.1,       0.0);         ( 480248.5,
3774879.1,     360.0,     360.0,       0.0);
    ( 480298.5, 3774879.1,     360.0,     360.0,       0.0);         ( 480348.5,
3774879.1,     361.0,     361.0,       0.0);
    ( 480398.5, 3774879.1,     361.7,     361.7,       0.0);         ( 480448.5,
3774879.1,     362.0,     362.0,       0.0);
    ( 480498.5, 3774879.1,     362.3,     362.3,       0.0);         ( 479998.5,
3774929.1,     357.6,     357.6,       0.0);
    ( 480048.5, 3774929.1,     358.0,     358.0,       0.0);         ( 480098.5,
3774929.1,     358.0,     358.0,       0.0);
    ( 480148.5, 3774929.1,     359.0,     359.0,       0.0);         ( 480198.5,
3774929.1,     359.0,     359.0,       0.0);
    ( 480248.5, 3774929.1,     359.9,     359.9,       0.0);         ( 480298.5,
3774929.1,     360.0,     360.0,       0.0);
    ( 480348.5, 3774929.1,     361.0,     361.0,       0.0);         ( 480398.5,
3774929.1,     361.9,     361.9,       0.0);
    ( 480448.5, 3774929.1,     362.0,     362.0,       0.0);         ( 480498.5,
3774929.1,     363.0,     363.0,       0.0);
    ( 479998.5, 3774979.1,     357.6,     357.6,       0.0);         ( 480048.5,
3774979.1,     358.0,     358.0,       0.0);
    ( 480098.5, 3774979.1,     358.0,     358.0,       0.0);         ( 480148.5,
3774979.1,     359.0,     359.0,       0.0);
    ( 480198.5, 3774979.1,     359.0,     359.0,       0.0);         ( 480248.5,
3774979.1,     359.9,     359.9,       0.0);
    ( 480298.5, 3774979.1,     360.0,     360.0,       0.0);         ( 480348.5,
3774979.1,     361.0,     361.0,       0.0);
    ( 480398.5, 3774979.1,     361.9,     361.9,       0.0);         ( 480448.5,
3774979.1,     362.0,     362.0,       0.0);
    ( 480498.5, 3774979.1,     363.0,     363.0,       0.0);         ( 479998.5,
3775029.1,     357.6,     357.6,       0.0);
    ( 480048.5, 3775029.1,     358.0,     358.0,       0.0);         ( 480098.5,
3775029.1,     358.0,     358.0,       0.0);
```

(480148.5, 3775029.1, 359.0, 359.0, 0.0); (480198.5, 3775029.1, 359.0, 359.0, 0.0);
(480248.5, 3775029.1, 359.9, 359.9, 0.0); (480298.5, 3775029.1, 360.0, 360.0, 0.0);
(480348.5, 3775029.1, 361.0, 361.0, 0.0); (480398.5, 3775029.1, 361.9, 361.9, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(480448.5, 3775029.1, 362.0, 362.0, 0.0); (480498.5, 3775029.1, 363.0, 363.0, 0.0);
(479998.5, 3775079.1, 357.6, 357.6, 0.0); (480048.5, 3775079.1, 358.0, 358.0, 0.0);
(480098.5, 3775079.1, 358.0, 358.0, 0.0); (480148.5, 3775079.1, 359.0, 359.0, 0.0);
(480198.5, 3775079.1, 359.0, 359.0, 0.0); (480248.5, 3775079.1, 359.0, 359.0, 0.0);
(480298.5, 3775079.1, 360.0, 360.0, 0.0); (480348.5, 3775079.1, 361.0, 361.0, 0.0);
(480398.5, 3775079.1, 361.9, 361.9, 0.0); (480448.5, 3775079.1, 362.6, 362.6, 0.0);
(480498.5, 3775079.1, 363.3, 363.3, 0.0); (479998.5, 3775129.1, 357.7, 357.7, 0.0);
(480048.5, 3775129.1, 358.0, 358.0, 0.0); (480098.5, 3775129.1, 358.0, 358.0, 0.0);
(480148.5, 3775129.1, 359.0, 359.0, 0.0); (480198.5, 3775129.1, 359.0, 359.0, 0.0);
(480248.5, 3775129.1, 359.1, 359.1, 0.0); (480298.5, 3775129.1, 360.0, 360.0, 0.0);
(480348.5, 3775129.1, 361.3, 361.3, 0.0); (480398.5, 3775129.1, 362.0, 362.0, 0.0);
(480448.5, 3775129.1, 362.7, 362.7, 0.0); (480498.5, 3775129.1, 363.4, 363.4, 0.0);
(479998.5, 3775179.1, 358.0, 358.0, 0.0); (480048.5, 3775179.1, 358.0, 358.0, 0.0);
(480098.5, 3775179.1, 358.7, 358.7, 0.0); (480148.5, 3775179.1, 359.0, 359.0, 0.0);
(480198.5, 3775179.1, 359.3, 359.3, 0.0); (480248.5, 3775179.1, 360.0, 360.0, 0.0);
(480298.5, 3775179.1, 360.8, 360.8, 0.0); (480348.5, 3775179.1, 361.8, 361.8, 0.0);

```
     ( 480398.5, 3775179.1,     362.0,     362.0,       0.0);         ( 480448.5,
3775179.1,     363.5,     363.5,       0.0);
     ( 480498.5, 3775179.1,     364.0,     364.0,       0.0);         ( 479998.5,
3775229.1,     358.0,     358.0,       0.0);
     ( 480048.5, 3775229.1,     358.0,     358.0,       0.0);         ( 480098.5,
3775229.1,     358.9,     358.9,       0.0);
     ( 480148.5, 3775229.1,     359.0,     359.0,       0.0);         ( 480198.5,
3775229.1,     359.2,     359.2,       0.0);
     ( 480248.5, 3775229.1,     360.0,     360.0,       0.0);         ( 480298.5,
3775229.1,     361.0,     361.0,       0.0);
     ( 480348.5, 3775229.1,     362.0,     362.0,       0.0);         ( 480398.5,
3775229.1,     362.9,     362.9,       0.0);
     ( 480448.5, 3775229.1,     363.6,     363.6,       0.0);         ( 480498.5,
3775229.1,     364.1,     364.1,       0.0);
     ( 479998.5, 3775279.1,     358.0,     358.0,       0.0);         ( 480048.5,
3775279.1,     358.0,     358.0,       0.0);
     ( 480098.5, 3775279.1,     358.9,     358.9,       0.0);         ( 480148.5,
3775279.1,     359.0,     359.0,       0.0);
     ( 480198.5, 3775279.1,     359.3,     359.3,       0.0);         ( 480248.5,
3775279.1,     360.0,     360.0,       0.0);
     ( 480298.5, 3775279.1,     360.7,     360.7,       0.0);         ( 480348.5,
3775279.1,     362.3,     362.3,       0.0);
     ( 480398.5, 3775279.1,     363.0,     363.0,       0.0);         ( 480448.5,
3775279.1,     364.0,     364.0,       0.0);
     ( 480498.5, 3775279.1,     364.4,     364.4,       0.0);         ( 479998.5,
3775329.1,     358.0,     358.0,       0.0);
     ( 480048.5, 3775329.1,     358.0,     358.0,       0.0);         ( 480098.5,
3775329.1,     358.9,     358.9,       0.0);
     ( 480148.5, 3775329.1,     359.0,     359.0,       0.0);         ( 480198.5,
3775329.1,     359.8,     359.8,       0.0);
     ( 480248.5, 3775329.1,     360.0,     360.0,       0.0);         ( 480298.5,
3775329.1,     361.6,     361.6,       0.0);
     ( 480348.5, 3775329.1,     362.3,     362.3,       0.0);         ( 480398.5,
3775329.1,     363.7,     363.7,       0.0);
     ( 480448.5, 3775329.1,     364.0,     364.0,       0.0);         ( 480498.5,
3775329.1,     365.0,     365.0,       0.0);
     ( 479998.5, 3775379.1,     358.0,     358.0,       0.0);         ( 480048.5,
3775379.1,     358.3,     358.3,       0.0);
     ( 480098.5, 3775379.1,     359.0,     359.0,       0.0);         ( 480148.5,
3775379.1,     359.0,     359.0,       0.0);
     ( 480198.5, 3775379.1,     360.1,     360.1,       0.0);         ( 480248.5,
3775379.1,     361.0,     361.0,       0.0);
     ( 480298.5, 3775379.1,     362.3,     362.3,       0.0);         ( 480348.5,
3775379.1,     363.1,     363.1,       0.0);
     ( 480398.5, 3775379.1,     364.0,     364.0,       0.0);         ( 480448.5,
3775379.1,     364.8,     364.8,       0.0);
     ( 480498.5, 3775379.1,     365.6,     365.6,       0.0);         ( 479998.5,
3775429.1,     358.1,     358.1,       0.0);
     ( 480048.5, 3775429.1,     359.0,     359.0,       0.0);         ( 480098.5,
3775429.1,     359.0,     359.0,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(479998.5, 3775479.1, 358.6, 358.6, 0.0); (480048.5, 3775479.1, 359.0, 359.0, 0.0);
(480098.5, 3775479.1, 359.0, 359.0, 0.0); (480148.5, 3775479.1, 360.0, 360.0, 0.0);
(480198.5, 3775479.1, 361.2, 361.2, 0.0); (480248.5, 3775479.1, 362.7, 362.7, 0.0);
(480298.5, 3775479.1, 363.9, 363.9, 0.0); (480348.5, 3775479.1, 364.8, 364.8, 0.0);
(480398.5, 3775479.1, 365.7, 365.7, 0.0); (480448.5, 3775479.1, 365.9, 365.9, 0.0);
(480498.5, 3775479.1, 367.1, 367.1, 0.0); (480254.7, 3774120.4, 358.0, 358.0, 0.0);
(480287.5, 3774147.6, 358.2, 358.2, 0.0); (480349.1, 3774140.5, 359.0, 359.0, 0.0);
(480381.9, 3774044.7, 359.4, 359.4, 0.0); (480444.0, 3774003.8, 360.0, 360.0, 0.0);
(480407.6, 3774005.8, 359.7, 359.7, 0.0); (480390.5, 3774008.3, 359.5, 359.5, 0.0);
(480543.0, 3774446.7, 361.0, 361.0, 0.0); (480593.0, 3774446.7, 362.0, 362.0, 0.0);
(480643.0, 3774446.7, 362.0, 362.0, 0.0); (480693.0, 3774446.7, 362.9, 362.9, 0.0);
(480743.0, 3774446.7, 363.0, 363.0, 0.0); (480793.0, 3774446.7, 364.0, 364.0, 0.0);
(480843.0, 3774446.7, 364.0, 364.0, 0.0); (480893.0, 3774446.7, 364.4, 364.4, 0.0);
(480943.0, 3774446.7, 365.0, 365.0, 0.0); (480993.0, 3774446.7, 365.0, 365.0, 0.0);
(481043.0, 3774446.7, 365.6, 365.6, 0.0); (481093.0, 3774446.7, 366.0, 366.0, 0.0);

```
     ( 481143.0, 3774446.7,     366.8,     366.8,       0.0);         ( 481193.0,
3774446.7,     367.4,     367.4,       0.0);
     ( 481243.0, 3774446.7,     368.1,     368.1,       0.0);         ( 481293.0,
3774446.7,     369.0,     369.0,       0.0);
     ( 481343.0, 3774446.7,     370.0,     370.0,       0.0);         ( 481393.0,
3774446.7,     370.1,     370.1,       0.0);
     ( 481443.0, 3774446.7,     371.0,     371.0,       0.0);         ( 480543.0,
3774496.7,     361.0,     361.0,       0.0);
     ( 480593.0, 3774496.7,     362.0,     362.0,       0.0);         ( 480643.0,
3774496.7,     362.1,     362.1,       0.0);
     ( 480693.0, 3774496.7,     363.0,     363.0,       0.0);         ( 480743.0,
3774496.7,     363.4,     363.4,       0.0);
     ( 480793.0, 3774496.7,     364.0,     364.0,       0.0);         ( 480843.0,
3774496.7,     364.0,     364.0,       0.0);
     ( 480893.0, 3774496.7,     364.4,     364.4,       0.0);         ( 480943.0,
3774496.7,     365.0,     365.0,       0.0);
     ( 480993.0, 3774496.7,     365.8,     365.8,       0.0);         ( 481043.0,
3774496.7,     366.0,     366.0,       0.0);
     ( 481093.0, 3774496.7,     366.1,     366.1,       0.0);         ( 481143.0,
3774496.7,     367.0,     367.0,       0.0);
     ( 481193.0, 3774496.7,     368.0,     368.0,       0.0);         ( 481243.0,
3774496.7,     368.1,     368.1,       0.0);
     ( 481293.0, 3774496.7,     369.0,     369.0,       0.0);         ( 481343.0,
3774496.7,     370.0,     370.0,       0.0);
     ( 481393.0, 3774496.7,     371.0,     371.0,       0.0);         ( 481443.0,
3774496.7,     371.0,     371.0,       0.0);
     ( 481493.0, 3774496.7,     372.0,     372.0,       0.0);         ( 480543.0,
3774546.7,     361.5,     361.5,       0.0);
     ( 480593.0, 3774546.7,     362.0,     362.0,       0.0);         ( 480643.0,
3774546.7,     362.1,     362.1,       0.0);
     ( 480693.0, 3774546.7,     363.0,     363.0,       0.0);         ( 480743.0,
3774546.7,     363.4,     363.4,       0.0);
     ( 480793.0, 3774546.7,     364.0,     364.0,       0.0);         ( 480843.0,
3774546.7,     364.0,     364.0,       0.0);
     ( 480893.0, 3774546.7,     365.0,     365.0,       0.0);         ( 480943.0,
3774546.7,     365.1,     365.1,       0.0);
     ( 480993.0, 3774546.7,     365.9,     365.9,       0.0);         ( 481043.0,
3774546.7,     366.0,     366.0,       0.0);
     ( 481093.0, 3774546.7,     367.0,     367.0,       0.0);         ( 481143.0,
3774546.7,     367.5,     367.5,       0.0);
     ( 481193.0, 3774546.7,     368.0,     368.0,       0.0);         ( 481243.0,
3774546.7,     369.0,     369.0,       0.0);
     ( 481293.0, 3774546.7,     369.8,     369.8,       0.0);         ( 481343.0,
3774546.7,     370.0,     370.0,       0.0);
     ( 481393.0, 3774546.7,     371.0,     371.0,       0.0);         ( 481443.0,
3774546.7,     371.5,     371.5,       0.0);
     ( 481493.0, 3774546.7,     372.0,     372.0,       0.0);         ( 481543.0,
3774546.7,     372.1,     372.1,       0.0);
     ( 480543.0, 3774596.7,     361.9,     361.9,       0.0);         ( 480593.0,
3774596.7,     362.0,     362.0,       0.0);
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(481143.0, 3774596.7, 368.0, 368.0, 0.0); (481193.0, 3774596.7, 368.4, 368.4, 0.0);
(481243.0, 3774596.7, 369.0, 369.0, 0.0); (481293.0, 3774596.7, 369.9, 369.9, 0.0);
(481343.0, 3774596.7, 370.4, 370.4, 0.0); (481393.0, 3774596.7, 371.0, 371.0, 0.0);
(481443.0, 3774596.7, 371.9, 371.9, 0.0); (481493.0, 3774596.7, 372.2, 372.2, 0.0);
(481543.0, 3774596.7, 373.0, 373.0, 0.0); (480543.0, 3774646.7, 362.0, 362.0, 0.0);
(480593.0, 3774646.7, 362.4, 362.4, 0.0); (480643.0, 3774646.7, 363.0, 363.0, 0.0);
(480693.0, 3774646.7, 363.0, 363.0, 0.0); (480743.0, 3774646.7, 364.0, 364.0, 0.0);
(480793.0, 3774646.7, 364.1, 364.1, 0.0); (480843.0, 3774646.7, 365.0, 365.0, 0.0);
(480893.0, 3774646.7, 365.4, 365.4, 0.0); (480943.0, 3774646.7, 366.0, 366.0, 0.0);
(480993.0, 3774646.7, 366.0, 366.0, 0.0); (481043.0, 3774646.7, 367.0, 367.0, 0.0);
(481093.0, 3774646.7, 368.0, 368.0, 0.0); (481143.0, 3774646.7, 368.0, 368.0, 0.0);
(481193.0, 3774646.7, 369.0, 369.0, 0.0); (481243.0, 3774646.7, 369.1, 369.1, 0.0);
(481293.0, 3774646.7, 370.0, 370.0, 0.0); (481343.0, 3774646.7, 370.4, 370.4, 0.0);
(481393.0, 3774646.7, 371.1, 371.1, 0.0); (481443.0, 3774646.7, 372.0, 372.0, 0.0);

```
     ( 481493.0, 3774646.7,     372.4,     372.4,       0.0);         ( 481543.0,
3774646.7,     373.0,     373.0,       0.0);
     ( 480543.0, 3774696.7,     362.0,     362.0,       0.0);         ( 480593.0,
3774696.7,     362.8,     362.8,       0.0);
     ( 480643.0, 3774696.7,     363.0,     363.0,       0.0);         ( 480693.0,
3774696.7,     363.8,     363.8,       0.0);
     ( 480743.0, 3774696.7,     364.0,     364.0,       0.0);         ( 480793.0,
3774696.7,     364.1,     364.1,       0.0);
     ( 480843.0, 3774696.7,     365.0,     365.0,       0.0);         ( 480893.0,
3774696.7,     365.8,     365.8,       0.0);
     ( 480943.0, 3774696.7,     366.1,     366.1,       0.0);         ( 480993.0,
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     ( 481043.0, 3774696.7,     367.4,     367.4,       0.0);         ( 481093.0,
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     ( 481143.0, 3774696.7,     368.8,     368.8,       0.0);         ( 481193.0,
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     ( 481243.0, 3774696.7,     370.0,     370.0,       0.0);         ( 481293.0,
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     ( 481343.0, 3774696.7,     371.0,     371.0,       0.0);         ( 481393.0,
3774696.7,     372.0,     372.0,       0.0);
     ( 481443.0, 3774696.7,     372.0,     372.0,       0.0);         ( 481493.0,
3774696.7,     373.0,     373.0,       0.0);
     ( 481543.0, 3774696.7,     373.7,     373.7,       0.0);         ( 480543.0,
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     ( 480593.0, 3774746.7,     363.0,     363.0,       0.0);         ( 480643.0,
3774746.7,     363.4,     363.4,       0.0);
     ( 480693.0, 3774746.7,     364.0,     364.0,       0.0);         ( 480743.0,
3774746.7,     364.2,     364.2,       0.0);
     ( 480793.0, 3774746.7,     365.0,     365.0,       0.0);         ( 480843.0,
3774746.7,     365.0,     365.0,       0.0);
     ( 480893.0, 3774746.7,     366.0,     366.0,       0.0);         ( 480943.0,
3774746.7,     366.4,     366.4,       0.0);
     ( 480993.0, 3774746.7,     367.0,     367.0,       0.0);         ( 481043.0,
3774746.7,     368.0,     368.0,       0.0);
     ( 481093.0, 3774746.7,     368.1,     368.1,       0.0);         ( 481143.0,
3774746.7,     369.0,     369.0,       0.0);
     ( 481193.0, 3774746.7,     369.6,     369.6,       0.0);         ( 481243.0,
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     ( 481293.0, 3774746.7,     370.9,     370.9,       0.0);         ( 481343.0,
3774746.7,     371.4,     371.4,       0.0);
     ( 481393.0, 3774746.7,     372.0,     372.0,       0.0);         ( 481443.0,
3774746.7,     372.9,     372.9,       0.0);
     ( 481493.0, 3774746.7,     373.4,     373.4,       0.0);         ( 481543.0,
3774746.7,     374.0,     374.0,       0.0);
     ( 480543.0, 3774796.7,     362.8,     362.8,       0.0);         ( 480593.0,
3774796.7,     363.4,     363.4,       0.0);
     ( 480643.0, 3774796.7,     364.0,     364.0,       0.0);         ( 480693.0,
3774796.7,     364.8,     364.8,       0.0);
     ( 480743.0, 3774796.7,     365.0,     365.0,       0.0);         ( 480793.0,
3774796.7,     365.0,     365.0,       0.0);
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(481443.0, 3774796.7, 373.0, 373.0, 0.0); (481493.0, 3774796.7, 374.0, 374.0, 0.0);
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(480693.0, 3774846.7, 365.5, 365.5, 0.0); (480743.0, 3774846.7, 365.4, 365.4, 0.0);
(480793.0, 3774846.7, 365.0, 365.0, 0.0); (480843.0, 3774846.7, 365.8, 365.8, 0.0);
(480893.0, 3774846.7, 366.0, 366.0, 0.0); (480943.0, 3774846.7, 367.1, 367.1, 0.0);
(480993.0, 3774846.7, 367.9, 367.9, 0.0); (481043.0, 3774846.7, 368.4, 368.4, 0.0);
(481093.0, 3774846.7, 369.1, 369.1, 0.0); (481143.0, 3774846.7, 369.9, 369.9, 0.0);
(481193.0, 3774846.7, 370.0, 370.0, 0.0); (481243.0, 3774846.7, 371.0, 371.0, 0.0);
(481293.0, 3774846.7, 371.5, 371.5, 0.0); (481343.0, 3774846.7, 372.3, 372.3, 0.0);
(481393.0, 3774846.7, 373.1, 373.1, 0.0); (481443.0, 3774846.7, 373.9, 373.9, 0.0);
(481493.0, 3774846.7, 374.3, 374.3, 0.0); (481543.0, 3774846.7, 375.1, 375.1, 0.0);
(480543.0, 3774896.7, 363.0, 363.0, 0.0); (480593.0, 3774896.7, 364.0, 364.0, 0.0);

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     ( 480643.0, 3774896.7,     365.0,     365.0,       0.0);         ( 480693.0,
3774896.7,     365.8,     365.8,       0.0);
     ( 480743.0, 3774896.7,     366.0,     366.0,       0.0);         ( 480793.0,
3774896.7,     365.9,     365.9,       0.0);
     ( 480843.0, 3774896.7,     365.9,     365.9,       0.0);         ( 480893.0,
3774896.7,     366.4,     366.4,       0.0);
     ( 480943.0, 3774896.7,     367.1,     367.1,       0.0);         ( 480993.0,
3774896.7,     368.0,     368.0,       0.0);
     ( 481043.0, 3774896.7,     369.0,     369.0,       0.0);         ( 481093.0,
3774896.7,     369.4,     369.4,       0.0);
     ( 481143.0, 3774896.7,     370.0,     370.0,       0.0);         ( 481193.0,
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     ( 481243.0, 3774896.7,     371.1,     371.1,       0.0);         ( 481293.0,
3774896.7,     372.0,     372.0,       0.0);
     ( 481343.0, 3774896.7,     372.6,     372.6,       0.0);         ( 481393.0,
3774896.7,     373.4,     373.4,       0.0);
     ( 481443.0, 3774896.7,     374.3,     374.3,       0.0);         ( 481493.0,
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     ( 481543.0, 3774896.7,     376.0,     376.0,       0.0);         ( 480543.0,
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     ( 480593.0, 3774946.7,     364.0,     364.0,       0.0);         ( 480643.0,
3774946.7,     365.0,     365.0,       0.0);
     ( 480693.0, 3774946.7,     365.8,     365.8,       0.0);         ( 480743.0,
3774946.7,     366.0,     366.0,       0.0);
     ( 480793.0, 3774946.7,     366.0,     366.0,       0.0);         ( 480843.0,
3774946.7,     366.0,     366.0,       0.0);
     ( 480893.0, 3774946.7,     367.0,     367.0,       0.0);         ( 480943.0,
3774946.7,     368.0,     368.0,       0.0);
     ( 480993.0, 3774946.7,     368.8,     368.8,       0.0);         ( 481043.0,
3774946.7,     369.4,     369.4,       0.0);
     ( 481093.0, 3774946.7,     370.0,     370.0,       0.0);         ( 481143.0,
3774946.7,     370.8,     370.8,       0.0);
     ( 481193.0, 3774946.7,     371.0,     371.0,       0.0);         ( 481243.0,
3774946.7,     372.0,     372.0,       0.0);
     ( 481293.0, 3774946.7,     372.8,     372.8,       0.0);         ( 481343.0,
3774946.7,     373.4,     373.4,       0.0);
     ( 481393.0, 3774946.7,     374.1,     374.1,       0.0);         ( 481443.0,
3774946.7,     375.0,     375.0,       0.0);
     ( 481493.0, 3774946.7,     376.0,     376.0,       0.0);         ( 481543.0,
3774946.7,     376.1,     376.1,       0.0);
↟ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                           ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                           ***       10:39:05

                                     PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
```

LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - - DISTANCE
ID XR (METERS) YR (METERS) (METERS)
- -

L0002598 480398.5 3774179.1 -0.39

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                     *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file: KRAL_v9.SFC
                Met Version: 16216
   Profile file: KRAL_v9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:   3171   Upper air station no.:   3190
                  Name: UNKNOWN   Name: UNKNOWN

                  Year: 2012   Year: 2012

 First 24 hours of scalar data
 YR MO DY JDY HR   H0   U*   W* DT/DZ ZICNV ZIMCH M-O LEN   Z0 BOWEN
ALBEDO REF WS   WD   HT REF TA   HT
- -
- - - - - - - - - - - - - - - - - - - -
 12 01 01   1 01 -25.6 0.266 -9.000 -9.000 -999. 330.   77.9 0.15   2.40
1.00   2.93   55.   10.1 288.1   2.0
 12 01 01   1 02 -26.8 0.277 -9.000 -9.000 -999. 351.   84.7 0.15   2.40
1.00   3.05   55.   10.1 287.0   2.0
 12 01 01   1 03 -21.5 0.221 -9.000 -9.000 -999. 250.   53.5 0.15   2.40
1.00   2.45   74.   10.1 284.2   2.0
 12 01 01   1 04 -22.0 0.227 -9.000 -9.000 -999. 260.   56.8 0.15   2.40
1.00   2.52   77.   10.1 285.9   2.0
 12 01 01   1 05 -20.0 0.206 -9.000 -9.000 -999. 225.   46.8 0.15   2.40
1.00   2.30   80.   10.1 285.4   2.0
 12 01 01   1 06 -14.4 0.171 -9.000 -9.000 -999. 170.   32.1 0.15   2.40
1.00   1.93   79.   10.1 287.0   2.0
 12 01 01   1 07 -14.9 0.174 -9.000 -9.000 -999. 174.   33.2 0.15   2.40
1.00   1.96   77.   10.1 284.2   2.0
 12 01 01   1 08 -11.9 0.169 -9.000 -9.000 -999. 167.   36.1 0.15   2.40
0.53   1.89   77.   10.1 288.1   2.0
 12 01 01   1 09   40.4 0.234 0.359 0.006   40. 272.   -28.1 0.15   2.40
0.31   2.10   81.   10.1 289.2   2.0
 12 01 01   1 10 112.6 0.246 0.742 0.005 129. 293.   -11.8 0.15   2.40

```
0.24    1.99  101.   10.1  296.4    2.0
 12 01 01   1 11  161.0  0.402  1.188  0.005  369.  611.    -35.6  0.15   2.40
0.21    3.68   78.   10.1  298.8    2.0
 12 01 01   1 12  184.7  0.337  1.516  0.005  668.  473.    -18.4  0.15   2.40
0.20    2.89   68.   10.1  300.4    2.0
 12 01 01   1 13  183.9  0.310  1.809  0.005 1139.  414.    -14.2  0.15   2.40
0.20    2.57   64.   10.1  302.5    2.0
 12 01 01   1 14  156.6  0.374  1.852  0.005 1434.  549.    -29.5  0.15   2.40
0.22    3.37   63.   10.1  303.1    2.0
 12 01 01   1 15  104.3  0.382  1.658  0.005 1546.  567.    -47.2  0.15   2.40
0.25    3.59   62.   10.1  302.5    2.0
 12 01 01   1 16   31.8  0.374  1.123  0.005 1573.  550.   -145.8  0.15   2.40
0.34    3.76   69.   10.1  300.9    2.0
 12 01 01   1 17  -23.3  0.276 -9.000 -9.000 -999.  354.     84.0  0.15   2.40
0.62    3.03   59.   10.1  297.5    2.0
 12 01 01   1 18  -21.5  0.229 -9.000 -9.000 -999.  264.     57.8  0.15   2.40
1.00    2.54   54.   10.1  295.4    2.0
 12 01 01   1 19  -19.3  0.204 -9.000 -9.000 -999.  221.     45.6  0.15   2.40
1.00    2.27   79.   10.1  292.0    2.0
 12 01 01   1 20  -20.7  0.218 -9.000 -9.000 -999.  244.     52.2  0.15   2.40
1.00    2.42   79.   10.1  292.5    2.0
 12 01 01   1 21  -19.7  0.206 -9.000 -9.000 -999.  225.     46.9  0.15   2.40
1.00    2.30   95.   10.1  290.9    2.0
 12 01 01   1 22  -17.6  0.190 -9.000 -9.000 -999.  199.     39.8  0.15   2.40
1.00    2.13   78.   10.1  290.4    2.0
 12 01 01   1 23  -20.3  0.211 -9.000 -9.000 -999.  233.     49.0  0.15   2.40
1.00    2.35   52.   10.1  289.2    2.0
 12 01 01   1 24  -16.4  0.183 -9.000 -9.000 -999.  189.     37.0  0.15   2.40
1.00    2.06   75.   10.1  288.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.1 1   55.    2.93   288.2   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:39:05

                                   PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                   INCLUDING SOURCE(S):     L0002507    , L0002508
, L0002509    , L0002510    , L0002511    ,
                 L0002512    , L0002513    , L0002514    , L0002515    , L0002516
, L0002517    , L0002518    ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774040.02	1.15260	478220.37	3774040.02	1.24448
478270.37	3774040.02	1.35257	478320.37	3774040.02	1.47208
478170.37	3774090.02	1.12450	478220.37	3774090.02	1.21297
478270.37	3774090.02	1.31689	478320.37	3774090.02	1.43163
478170.37	3774140.02	1.09533	478220.37	3774140.02	1.18026
478270.37	3774140.02	1.27955	478320.37	3774140.02	1.38911
478170.37	3774190.02	1.06563	478220.37	3774190.02	1.14771
478270.37	3774190.02	1.24141	478320.37	3774190.02	1.34558
478170.37	3774240.02	1.03582	478220.37	3774240.02	1.11404
478270.37	3774240.02	1.20310	478320.37	3774240.02	1.30185
478370.37	3774240.02	1.41563	478420.37	3774240.02	1.54748
478470.37	3774240.02	1.69680	478520.37	3774240.02	1.87617
478570.37	3774240.02	2.08115	479170.37	3774240.02	20.38876
479220.37	3774240.02	28.31186	479270.37	3774240.02	36.97085
479320.37	3774240.02	38.32919	479370.37	3774240.02	31.03057
479420.37	3774240.02	23.51765	479470.37	3774240.02	18.33239
479520.37	3774240.02	14.64009	479570.37	3774240.02	11.97949
479620.37	3774240.02	9.99584	479670.37	3774240.02	8.44575
479720.37	3774240.02	7.25461	479770.37	3774240.02	6.28633
479820.37	3774240.02	5.51831	479870.37		

3774240.02   4.88689
         479920.37   3774240.02   4.36160   479970.37
3774240.02   4.40761
         478170.37   3774290.02   1.00618   478220.37
3774290.02   1.08059
         478270.37   3774290.02   1.16507   478320.37
3774290.02   1.25845
         478370.37   3774290.02   1.36568   478420.37
3774290.02   1.48947
         478470.37   3774290.02   1.62904   478520.37
3774290.02   1.79585
         478570.37   3774290.02   1.98538   479170.37
3774290.02   14.67250
         479220.37   3774290.02   18.06960   479270.37
3774290.02   20.79536
         479320.37   3774290.02   21.14476   479370.37
3774290.02   18.88593
         479420.37   3774290.02   15.72037   479470.37
3774290.02   12.90656
         479520.37   3774290.02   10.69866   479570.37
3774290.02   9.03628
         479620.37   3774290.02   7.73108   479670.37
3774290.02   6.72034
         479720.37   3774290.02   5.90074   479770.37
3774290.02   5.21516
         479820.37   3774290.02   4.65370   479870.37
3774290.02   4.18160
         479920.37   3774290.02   3.76587   479970.37
3774290.02   3.64956
         478170.37   3774340.02   0.97690   478220.37
3774340.02   1.04756
         478270.37   3774340.02   1.12754   478320.37
3774340.02   1.21567
         478370.37   3774340.02   1.31650   478420.37
3774340.02   1.43240
         478470.37   3774340.02   1.56474   478520.37
3774340.02   1.71703
         478570.37   3774340.02   1.89152   479170.37
3774340.02   10.83839
         479220.37   3774340.02   12.46661   479270.37
3774340.02   13.56439

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479320.37	3774340.02	13.69516	479370.37	3774340.02	12.78135
479420.37	3774340.02	11.29581	479470.37	3774340.02	9.71705
479520.37	3774340.02	8.29046	479570.37	3774340.02	7.14202
479620.37	3774340.02	6.20375	479670.37	3774340.02	5.46431
479720.37	3774340.02	4.84895	479770.37	3774340.02	4.34930
479820.37	3774340.02	3.92568	479870.37	3774340.02	3.44944
479920.37	3774340.02	3.14439	479970.37	3774340.02	2.92554
478170.37	3774390.02	0.94806	478220.37	3774390.02	1.01504
478270.37	3774390.02	1.09063	478320.37	3774390.02	1.17361
478370.37	3774390.02	1.27023	478420.37	3774390.02	1.37639
478470.37	3774390.02	1.49983	478520.37	3774390.02	1.63985
478570.37	3774390.02	1.79973	479170.37	3774390.02	8.26954
479220.37	3774390.02	9.12589	479270.37	3774390.02	9.65703
479320.37	3774390.02	9.71682	479370.37	3774390.02	9.26715
479420.37	3774390.02	8.49912	479470.37	3774390.02	7.56792
479520.37	3774390.02	6.66744	479570.37	3774390.02	5.85412
479620.37	3774390.02	5.15754	479670.37	3774390.02	4.57642

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         479720.37    3774390.02        4.09710                      479770.37
3774390.02        3.69886
         479820.37    3774390.02        3.18973                      479870.37
3774390.02        2.74339
         479920.37    3774390.02        2.56954                      479970.37
3774390.02        2.37688
         478170.37    3774440.02        0.91967                      478220.37
3774440.02        0.98324
         478270.37    3774440.02        1.05433                      478320.37
3774440.02        1.13229
         478370.37    3774440.02        1.22265                      478420.37
3774440.02        1.32144
         478470.37    3774440.02        1.43563                      478520.37
3774440.02        1.56427
         478570.37    3774440.02        1.70996                      478620.37
3774440.02        1.88086
         478670.37    3774440.02        2.07595                      478720.37
3774440.02        2.30041
         478770.37    3774440.02        2.56131                      478820.37
3774440.02        2.87429
         479320.37    3774440.02        7.31476                      479370.37
3774440.02        7.06844
         479420.37    3774440.02        6.63013                      479470.37
3774440.02        6.06363
         479520.37    3774440.02        5.47592                      479570.37
3774440.02        4.90568
         479620.37    3774440.02        4.38781                      479670.37
3774440.02        3.93387
         479720.37    3774440.02        3.54663                      479770.37
3774440.02        3.21804
         479820.37    3774440.02        2.54830                      479870.37
3774440.02        2.32309
         479920.37    3774440.02        2.12255                      479970.37
3774440.02        2.00028
         478170.37    3774490.02        0.89172                      478220.37
3774490.02        0.95293
         478270.37    3774490.02        1.01862                      478320.37
3774490.02        1.09165
         478370.37    3774490.02        1.17589                      478420.37
3774490.02        1.26746
         478470.37    3774490.02        1.37264                      478520.37
3774490.02        1.49023
         478570.37    3774490.02        1.62231                      478620.37
3774490.02        1.77668
         478670.37    3774490.02        1.94822                      478720.37
3774490.02        2.14398
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478749.26	3774487.73	2.27742	478820.37	3774490.02	2.63014
479370.37	3774490.02	5.59358	479420.37	3774490.02	5.32277
479470.37	3774490.02	4.96351	479520.37	3774490.02	4.56956
479570.37	3774490.02	4.16283	479620.37	3774490.02	3.78355
479670.37	3774490.02	3.43021	479720.37	3774490.02	3.12030
479770.37	3774490.02	2.74430	479820.37	3774490.02	2.18408
479870.37	3774490.02	2.01457	479920.37	3774490.02	1.84807
479970.37	3774490.02	1.73775	478170.37	3774540.02	0.86474
478220.37	3774540.02	0.92182	478270.37	3774540.02	0.98345
478320.37	3774540.02	1.05164	478370.37	3774540.02	1.12990
478420.37	3774540.02	1.21444	478470.37	3774540.02	1.31088
478520.37	3774540.02	1.41781	478570.37	3774540.02	1.53676
478620.37	3774540.02	1.67430	478670.37	3774540.02	1.82507
478720.37	3774540.02	1.99452	478764.86	3774550.58	2.12854
478807.52	3774552.41	2.29574	479370.37		

3774540.02 4.55329
479420.37 3774540.02 4.37812 479470.37
3774540.02 4.13862
479520.37 3774540.02 3.86673 479570.37
3774540.02 3.57493
479620.37 3774540.02 3.29261 479670.37
3774540.02 3.01950
479720.37 3774540.02 2.77246 479770.37
3774540.02 2.19952
479820.37 3774540.02 1.94487 479870.37
3774540.02 1.79305
479920.37 3774540.02 1.64709 479970.37
3774540.02 1.54736
478170.37 3774590.02 0.83815 478220.37
3774590.02 0.89115
478270.37 3774590.02 0.94879 478320.37
3774590.02 1.01373
478370.37 3774590.02 1.08468 478420.37
3774590.02 1.16245
478470.37 3774590.02 1.25127 478520.37
3774590.02 1.34715
478570.37 3774590.02 1.45681 478620.37
3774590.02 1.57550
478670.37 3774590.02 1.70720 478720.37
3774590.02 1.85353
478776.33 3774602.87 1.99568 478804.31
3774604.25 2.08433
479370.37 3774590.02 3.79010 479420.37
3774590.02 3.66826
479470.37 3774590.02 3.50601 479520.37
3774590.02 3.31272
479570.37 3774590.02 3.09979 479620.37
3774590.02 2.88741
479670.37 3774590.02 2.67585 479720.37
3774590.02 2.38021
479770.37 3774590.02 1.87565 479820.37
3774590.02 1.74997
479870.37 3774590.02 1.61502 479920.37
3774590.02 1.48942
479970.37 3774590.02 1.37540 478170.37
3774640.02 0.81164
478220.37 3774640.02 0.86089 478270.37
3774640.02 0.91463
478320.37 3774640.02 0.97486 478370.37
3774640.02 1.04027
478420.37 3774640.02 1.11146 478470.37
3774640.02 1.19217
478520.37 3774640.02 1.27847 478570.37
3774640.02 1.37623
478620.37 3774640.02 1.48076 478670.37

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                  L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         478720.37   3774640.02   1.72387   478770.37
3774640.02   1.85988
         478820.37   3774640.02   2.00775   478870.37
3774640.02   2.16663
         479370.37   3774640.02   3.21224   479420.37
3774640.02   3.12657
         479470.37   3774640.02   3.01097   479520.37
3774640.02   2.86816
         479570.37   3774640.02   2.71177   479620.37
3774640.02   2.54705
         479670.37   3774640.02   2.38475   479720.37
3774640.02   2.03613
         479770.37   3774640.02   1.68913   479820.37
3774640.02   1.58482
         479870.37   3774640.02   1.44421   479920.37
3774640.02   1.35868
         479970.37   3774640.02   1.25687   478170.37
3774690.02   0.78516
         478220.37   3774690.02   0.83106   478270.37
3774690.02   0.88102
         478320.37   3774690.02   0.93696   478370.37
3774690.02   0.99675
         478420.37   3774690.02   1.06167   478470.37
3774690.02   1.13470

```
         478520.37    3774690.02        1.21205                    478570.37
3774690.02        1.29884
         478620.37    3774690.02        1.39054                    478670.37
3774690.02        1.49261
         478720.37    3774690.02        1.59974                    478770.37
3774690.02        1.71426
         478820.37    3774690.02        1.83904                    478868.71
3774700.63        1.92287
         478861.34    3774671.12        2.01392                    479026.61
3774722.40        2.20497
         479059.05    3774696.65        2.42158                    479113.74
3774695.09        2.55112
         479370.37    3774690.02        2.76130                    479420.37
3774690.02        2.70115
         479470.37    3774690.02        2.61649                    479520.37
3774690.02        2.50923
         479570.37    3774690.02        2.39126                    479620.37
3774690.02        2.26378
         479670.37    3774690.02        2.13656                    479720.37
3774690.02        1.66894
         479770.37    3774690.02        1.52846                    479820.37
3774690.02        1.41188
         479870.37    3774690.02        1.31974                    479920.37
3774690.02        1.24601
         479970.37    3774690.02        1.15131                    478170.37
3774740.02        0.75894
         478220.37    3774740.02        0.80169                    478270.37
3774740.02        0.84799
         478320.37    3774740.02        0.89980                    478370.37
3774740.02        0.95423
         478420.37    3774740.02        1.01345                    478470.37
3774740.02        1.07906
         478520.37    3774740.02        1.14815                    478570.37
3774740.02        1.22495
         478620.37    3774740.02        1.30517                    478670.37
3774740.02        1.39350
         478720.37    3774740.02        1.48498                    478770.37
3774740.02        1.58335
         478820.37    3774740.02        1.68535                    478862.96
3774730.27        1.80781
         479020.37    3774740.02        2.10481                    479070.37
3774740.02        2.20175
         479120.37    3774740.02        2.28488                    479370.37
3774740.02        2.40451
         479420.37    3774740.02        2.36062                    479470.37
3774740.02        2.29691
         479520.37    3774740.02        2.21572                    479570.37
3774740.02        2.12440
         479620.37    3774740.02        2.02505                    479670.37
3774740.02        1.92385
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774790.02	0.73312	478220.37	3774790.02	0.77282
478270.37	3774790.02	0.81559	478320.37	3774790.02	0.86318
478370.37	3774790.02	0.91284	478420.37	3774790.02	0.96799
478470.37	3774790.02	1.02545	478520.37	3774790.02	1.08755
478570.37	3774790.02	1.15481	478620.37	3774790.02	1.22488
478670.37	3774790.02	1.30128	478720.37	3774790.02	1.37946
478770.37	3774790.02	1.46310	478820.37	3774790.02	1.54832
478870.37	3774790.02	1.63561	478920.37	3774790.02	1.72169
478970.37	3774790.02	1.80597	479020.37	3774790.02	1.88797
479070.37	3774790.02	1.96201	479120.37	3774790.02	1.38802
479170.37	3774790.02	1.27668	479220.37	3774790.02	1.21065
479270.37	3774790.02	1.14723	479320.37	3774790.02	1.05867
479370.37	3774790.02	1.46288	479420.37	3774790.02	1.38802
479470.37	3774790.02	1.27668	479520.37	3774790.02	1.21065
479570.37	3774790.02	1.14723	479620.37	3774790.02	1.05867
479670.37	3774790.02	1.46288	479720.37	3774790.02	1.38802
479770.37	3774790.02	1.27668	479820.37	3774790.02	1.21065
479870.37	3774790.02	1.14723	479920.37	3774790.02	1.05867

3774790.02 2.02613
479370.37 3774790.02 2.11682 479420.37
3774790.02 2.08350
479470.37 3774790.02 2.03299 479520.37
3774790.02 1.97204
479570.37 3774790.02 1.89952 479620.37
3774790.02 1.82190
479670.37 3774790.02 1.74062 479720.37
3774790.02 1.32791
479770.37 3774790.02 1.26619 479820.37
3774790.02 1.16985
479870.37 3774790.02 1.11416 479920.37
3774790.02 1.03625
479970.37 3774790.02 0.98128 477970.37
3774840.02 0.58163
478020.37 3774840.02 0.61047 478070.37
3774840.02 0.64069
478120.37 3774840.02 0.67341 478170.37
3774840.02 0.70774
478220.37 3774840.02 0.74450 478270.37
3774840.02 0.78525
478320.37 3774840.02 0.82751 478370.37
3774840.02 0.87268
478420.37 3774840.02 0.92252 478470.37
3774840.02 0.97403
478520.37 3774840.02 1.02938 478570.37
3774840.02 1.08856
478620.37 3774840.02 1.15102 478670.37
3774840.02 1.21586
478720.37 3774840.02 1.28280 478770.37
3774840.02 1.35379
478820.37 3774840.02 1.42506 478870.37
3774840.02 1.49738
478920.37 3774840.02 1.56784 478970.37
3774840.02 1.63603
479020.37 3774840.02 1.70199 479070.37
3774840.02 1.76028
479120.37 3774840.02 1.81092 479170.37
3774840.02 1.85098
479220.37 3774840.02 1.87936 479270.37
3774840.02 1.89334
479320.37 3774840.02 1.89461 479370.37
3774840.02 1.88054
479420.37 3774840.02 1.85418 479470.37
3774840.02 1.81539
479520.37 3774840.02 1.76703 479570.37
3774840.02 1.70981
479620.37 3774840.02 1.64788 479670.37
3774840.02 1.30021
479720.37 3774840.02 1.21048 479770.37

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478270.37	3774890.02	0.75427	478320.37	3774890.02	0.79287
478370.37	3774890.02	0.83387	478420.37	3774890.02	0.87884
478470.37	3774890.02	0.92493	478520.37	3774890.02	0.97410
478570.37	3774890.02	1.02626	478620.37	3774890.02	1.08086
478670.37	3774890.02	1.13702	478720.37	3774890.02	1.19445
478770.37	3774890.02	1.25484	478820.37	3774890.02	1.31484
478870.37	3774890.02	1.37512	478920.37	3774890.02	1.43323

478970.37	3774890.02	1.48891	479020.37	3774890.02	1.54231
479070.37	3774890.02	1.58901	479120.37	3774890.02	1.62926
479170.37	3774890.02	1.66086	479220.37	3774890.02	1.68313
479270.37	3774890.02	1.69400	479320.37	3774890.02	1.69496
479370.37	3774890.02	1.68386	479420.37	3774890.02	1.66310
479470.37	3774890.02	1.63240	479520.37	3774890.02	1.59333
479570.37	3774890.02	1.54798	479620.37	3774890.02	1.49784
479670.37	3774890.02	1.18546	479720.37	3774890.02	1.10781
479770.37	3774890.02	1.06505	479820.37	3774890.02	0.99156
479870.37	3774890.02	0.95159	479920.37	3774890.02	0.88632
479970.37	3774890.02	0.84958	477970.37	3774940.02	0.54946
478020.37	3774940.02	0.57405	478070.37	3774940.02	0.60052
478120.37	3774940.02	0.62895	478170.37	3774940.02	0.65847
478220.37	3774940.02	0.68979	478270.37	3774940.02	0.72416
478320.37	3774940.02	0.75935	478370.37	3774940.02	0.79651
478420.37	3774940.02	0.83702	478470.37	3774940.02	0.87824
478520.37	3774940.02	0.92191	478570.37	3774940.02	0.96791
478620.37	3774940.02	1.01568	478670.37	3774940.02	1.06442
478720.37	3774940.02	1.11381	478770.37	3774940.02	1.16506
478820.37	3774940.02	1.21577	478870.37	3774940.02	1.26674
478920.37	3774940.02	1.31502	478970.37	3774940.02	1.36087
479020.37	3774940.02	1.40453	479070.37	3774940.02	1.44238
479120.37	3774940.02	1.47478	479170.37	3774940.02	1.50005
479220.37	3774940.02	1.51778	479270.37	3774940.02	1.52636
479320.37	3774940.02	1.52710	479370.37	3774940.02	1.51820

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479420.37	3774940.02	1.50162	479470.37	3774940.02	1.47699
479520.37	3774940.02	1.44547	479570.37	3774940.02	1.40867
479620.37	3774940.02	1.36767	479670.37	3774940.02	1.08536
479720.37	3774940.02	1.01764	479770.37	3774940.02	0.95702
479820.37	3774940.02	0.91688	479870.37	3774940.02	0.88283
479920.37	3774940.02	0.82481	479970.37	3774940.02	0.79304
477970.37	3774990.02	0.53325	478020.37	3774990.02	0.55628
478070.37	3774990.02	0.58097	478120.37	3774990.02	0.60739
478170.37	3774990.02	0.63469	478220.37	3774990.02	0.66351
478270.37	3774990.02	0.69499	478320.37	3774990.02	0.72703
478370.37	3774990.02	0.76066	478420.37	3774990.02	0.79714
478470.37	3774990.02	0.83399	478520.37	3774990.02	0.87279
478570.37	3774990.02	0.91339	478620.37		

3774990.02 0.95527
478670.37 3774990.02 0.99768 478720.37
3774990.02 1.04032
478770.37 3774990.02 1.08416 478820.37
3774990.02 1.12728
478870.37 3774990.02 1.16987 478920.37
3774990.02 1.21079
478970.37 3774990.02 1.24886 479020.37
3774990.02 1.28489
479070.37 3774990.02 1.31587 479120.37
3774990.02 1.34226
479170.37 3774990.02 1.36272 479220.37
3774990.02 1.37701
479270.37 3774990.02 1.38388 479320.37
3774990.02 1.38445
479370.37 3774990.02 1.37724 479420.37
3774990.02 1.36381
479470.37 3774990.02 1.34380 479520.37
3774990.02 1.31809
479570.37 3774990.02 1.28791 479620.37
3774990.02 1.25407
479670.37 3774990.02 0.99760 479720.37
3774990.02 0.93808
479770.37 3774990.02 0.89197 479820.37
3774990.02 0.85017
479870.37 3774990.02 0.82102 479920.37
3774990.02 0.76919
479970.37 3774990.02 0.74167 477970.37
3775040.02 0.51730
478020.37 3775040.02 0.53883 478070.37
3775040.02 0.56183
478120.37 3775040.02 0.58633 478170.37
3775040.02 0.61154
478220.37 3775040.02 0.63802 478270.37
3775040.02 0.66682
478320.37 3775040.02 0.69596 478370.37
3775040.02 0.72638
478420.37 3775040.02 0.75922 478470.37
3775040.02 0.79218
478520.37 3775040.02 0.82668 478570.37
3775040.02 0.86258
478620.37 3775040.02 0.89937 478670.37
3775040.02 0.93636
478720.37 3775040.02 0.97330 478770.37
3775040.02 1.01104
478820.37 3775040.02 1.04789 478870.37
3775040.02 1.08449
478920.37 3775040.02 1.11851 478970.37
3775040.02 1.15037
479020.37 3775040.02 1.18036 479070.37

3775040.02 1.20597
479120.37 3775040.02 1.22767 479170.37
3775040.02 1.24442
479220.37 3775040.02 1.25609 479270.37
3775040.02 1.26165
479320.37 3775040.02 1.26210 479370.37
3775040.02 1.25617
479420.37 3775040.02 1.24517 479470.37
3775040.02 1.22873
479520.37 3775040.02 1.20818 479570.37
3775040.02 1.18263
479620.37 3775040.02 1.15439 479670.37
3775040.02 0.92255
479720.37 3775040.02 0.86759 479770.37
3775040.02 0.83836
479820.37 3775040.02 0.79039 479870.37
3775040.02 0.76533
479920.37 3775040.02 0.71878 479970.37
3775040.02 0.69488
477970.37 3775090.02 0.50163 478020.37
3775090.02 0.52173

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 ,
L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- -
478070.37 3775090.02 0.54312 478120.37
3775090.02 0.56582
478170.37 3775090.02 0.58906 478220.37
3775090.02 0.61336

478270.37 3775090.02 0.63969 478320.37
3775090.02 0.66618
478370.37 3775090.02 0.69370 478420.37
3775090.02 0.72327
478470.37 3775090.02 0.75277 478520.37
3775090.02 0.78349
478570.37 3775090.02 0.81529 478620.37
3775090.02 0.84767
478670.37 3775090.02 0.88004 478720.37
3775090.02 0.91215
478770.37 3775090.02 0.94418 478820.37
3775090.02 0.97642
478870.37 3775090.02 1.00766 478920.37
3775090.02 1.03650
478970.37 3775090.02 1.06335 479020.37
3775090.02 1.08850
479070.37 3775090.02 1.10986 479120.37
3775090.02 1.12788
479170.37 3775090.02 1.14173 479220.37
3775090.02 1.15135
479270.37 3775090.02 1.15590 479320.37
3775090.02 1.15626
479370.37 3775090.02 1.15133 479420.37
3775090.02 1.14243
479470.37 3775090.02 1.12860 479520.37
3775090.02 1.11151
479570.37 3775090.02 1.09063 479620.37
3775090.02 1.06647
479670.37 3775090.02 1.04033 479720.37
3775090.02 0.80488
479770.37 3775090.02 0.75792 479820.37
3775090.02 0.73667
479870.37 3775090.02 0.70883 479920.37
3775090.02 0.67300
479970.37 3775090.02 0.65218 477970.37
3775140.02 0.48628
478020.37 3775140.02 0.50501 478070.37
3775140.02 0.52488
478120.37 3775140.02 0.54588 478170.37
3775140.02 0.56728
478220.37 3775140.02 0.58957 478270.37
3775140.02 0.61363
478320.37 3775140.02 0.63771 478370.37
3775140.02 0.66261
478420.37 3775140.02 0.68926 478470.37
3775140.02 0.71569
478520.37 3775140.02 0.74309 478570.37
3775140.02 0.77131
478620.37 3775140.02 0.79989 478670.37
3775140.02 0.82830

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         478720.37    3775140.02        0.85631                       478770.37
3775140.02        0.88395
         478820.37    3775140.02        0.91192                       478870.37
3775140.02        0.93838
         478920.37    3775140.02        0.96333                       478970.37
3775140.02        0.98610
         479020.37    3775140.02        1.00736                       479070.37
3775140.02        1.02531
         479120.37    3775140.02        1.04040                       479170.37
3775140.02        1.05196
         479220.37    3775140.02        1.05997                       479270.37
3775140.02        1.06373
         479320.37    3775140.02        1.06402                       479370.37
3775140.02        1.05989
         479420.37    3775140.02        1.05249                       479470.37
3775140.02        1.04116
         479520.37    3775140.02        1.02654                       479570.37
3775140.02        1.00907
         479620.37    3775140.02        0.98853                       479670.37
3775140.02        0.96634
         479720.37    3775140.02        0.74886                       479770.37
3775140.02        0.70662
         479820.37    3775140.02        0.68826                       479870.37
3775140.02        0.66221
         479920.37    3775140.02        0.63137                       479970.37
3775140.02        0.60796
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                    INCLUDING SOURCE(S):     L0002507    , L0002508
, L0002509    , L0002510    , L0002511    ,
                  L0002512    , L0002513    , L0002514    , L0002515    , L0002516
, L0002517    , L0002518    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- -

	477970.37	3775190.02	0.47126	478020.37	3775190.02	0.48870	
	478070.37	3775190.02	0.50713	478120.37	3775190.02	0.52654	
	478170.37	3775190.02	0.54625	478220.37	3775190.02	0.56668	
	478270.37	3775190.02	0.58867	478320.37	3775190.02	0.61056	
	478370.37	3775190.02	0.63310	478420.37	3775190.02	0.65714	
	478470.37	3775190.02	0.68086	478520.37	3775190.02	0.70534	
	478570.37	3775190.02	0.73043	478620.37	3775190.02	0.75573	
	478670.37	3775190.02	0.78072	478720.37	3775190.02	0.80525	
	478770.37	3775190.02	0.82932	478820.37	3775190.02	0.85357	
	478870.37	3775190.02	0.87597	478920.37	3775190.02	0.89779	
	478970.37	3775190.02	0.91723	479020.37	3775190.02	0.93532	
	479070.37	3775190.02	0.95052	479120.37	3775190.02	0.96326	
	479170.37	3775190.02	0.97298	479220.37	3775190.02	0.97971	
	479270.37	3775190.02	0.98284	479320.37	3775190.02	0.98307	
	479370.37	3775190.02	0.97958	479420.37	3775190.02	0.97336	
	479470.37	3775190.02	0.96407	479520.37	3775190.02	0.95143	
	479570.37	3775190.02	0.93673	479620.37	3775190.02	0.91913	
	479670.37	3775190.02	0.90016	479720.37	3775190.02	0.69863	
	479770.37	3775190.02	0.66044	479820.37	3775190.02	0.64451	
	479870.37	3775190.02	0.60931	479920.37	3775190.02	0.59343	
	479970.37	3775190.02	0.56688	477970.37	3775240.02	0.45659	
	478020.37	3775240.02	0.47281	478070.37	3775240.02	0.48990	
	478120.37	3775240.02	0.50784	478170.37	3775240.02	0.52597	
	478220.37	3775240.02	0.54471	478270.37	3775240.02	0.56480	
	478320.37	3775240.02	0.58472	478370.37			

3775240.02   0.60514
         478420.37   3775240.02   0.62686   478470.37
3775240.02   0.64817
         478520.37   3775240.02   0.67008   478570.37
3775240.02   0.69244
         478620.37   3775240.02   0.71445   478670.37
3775240.02   0.73695
         478720.37   3775240.02   0.75849   478770.37
3775240.02   0.77953
         478820.37   3775240.02   0.80065   478870.37
3775240.02   0.82005
         478920.37   3775240.02   0.83888   478970.37
3775240.02   0.85558
         479020.37   3775240.02   0.87107   479070.37
3775240.02   0.88402
         479120.37   3775240.02   0.89486   479170.37
3775240.02   0.90310
         479220.37   3775240.02   0.90879   479270.37
3775240.02   0.91142
         479320.37   3775240.02   0.91161   479370.37
3775240.02   0.90864
         479420.37   3775240.02   0.90335   479470.37
3775240.02   0.89510
         479520.37   3775240.02   0.88469   479570.37
3775240.02   0.87200
         479620.37   3775240.02   0.85706   479670.37
3775240.02   0.70448
         479720.37   3775240.02   0.65343   479770.37
3775240.02   0.61873
         479820.37   3775240.02   0.60485   479870.37
3775240.02   0.57276

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                 L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479920.37	3775240.02	0.55879	479970.37	3775240.02	0.53466
477970.37	3775290.02	0.44170	478020.37	3775290.02	0.45737
478070.37	3775290.02	0.47321	478120.37	3775290.02	0.48978
478170.37	3775290.02	0.50646	478220.37	3775290.02	0.52365
478270.37	3775290.02	0.54202	478320.37	3775290.02	0.56015
478370.37	3775290.02	0.57868	478420.37	3775290.02	0.59832
478470.37	3775290.02	0.61751	478520.37	3775290.02	0.63715
478570.37	3775290.02	0.65713	478620.37	3775290.02	0.67659
478670.37	3775290.02	0.69662	478720.37	3775290.02	0.71560
478770.37	3775290.02	0.73406	478820.37	3775290.02	0.75233
478870.37	3775290.02	0.76941	478920.37	3775290.02	0.78575
478970.37	3775290.02	0.80016	479020.37	3775290.02	0.81351
479070.37	3775290.02	0.82462	479120.37	3775290.02	0.83389
479170.37	3775290.02	0.84093	479220.37	3775290.02	0.84578
479270.37	3775290.02	0.84801	479320.37	3775290.02	0.84816
479370.37	3775290.02	0.84561	479420.37	3775290.02	0.84109
479470.37	3775290.02	0.83393	479520.37	3775290.02	0.82510
479570.37	3775290.02	0.81385	479620.37	3775290.02	0.80132
479670.37	3775290.02	0.64381	479720.37	3775290.02	0.60537
479770.37	3775290.02	0.58096	479820.37	3775290.02	0.56881
479870.37	3775290.02	0.53944	479920.37	3775290.02	0.52680
479970.37	3775290.02	0.50092	477970.37	3775340.02	0.42783

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         478020.37    3775340.02        0.44240                        478070.37
3775340.02        0.45686
         478120.37    3775340.02        0.47238                        478170.37
3775340.02        0.48773
         478220.37    3775340.02        0.50350                        478270.37
3775340.02        0.52023
         478320.37    3775340.02        0.53684                        478370.37
3775340.02        0.55367
         478420.37    3775340.02        0.57145                        478470.37
3775340.02        0.58875
         478520.37    3775340.02        0.60640                        478570.37
3775340.02        0.62429
         478620.37    3775340.02        0.64163                        478670.37
3775340.02        0.65938
         478720.37    3775340.02        0.67621                        478770.37
3775340.02        0.69246
         478820.37    3775340.02        0.70868                        478870.37
3775340.02        0.72343
         478920.37    3775340.02        0.73767                        478970.37
3775340.02        0.75017
         479020.37    3775340.02        0.76173                        479070.37
3775340.02        0.77132
         479120.37    3775340.02        0.77931                        479170.37
3775340.02        0.78535
         479220.37    3775340.02        0.78951                        479270.37
3775340.02        0.79141
         479320.37    3775340.02        0.79154                        479370.37
3775340.02        0.78933
         479420.37    3775340.02        0.78545                        479470.37
3775340.02        0.77928
         479520.37    3775340.02        0.77166                        479570.37
3775340.02        0.76193
         479620.37    3775340.02        0.75108                        479670.37
3775340.02        0.60414
         479720.37    3775340.02        0.56883                        479770.37
3775340.02        0.54664
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                    INCLUDING SOURCE(S):     L0002507    , L0002508
, L0002509    , L0002510    , L0002511    ,
                 L0002512    , L0002513    , L0002514    , L0002515    , L0002516
, L0002517    , L0002518    ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479820.37	3775340.02	0.53597	479870.37	3775340.02	0.50899
479920.37	3775340.02	0.49777	479970.37	3775340.02	0.47394
477970.37	3775390.02	0.41436	478020.37	3775390.02	0.42790
478070.37	3775390.02	0.44129	478120.37	3775390.02	0.45563
478170.37	3775390.02	0.46978	478220.37	3775390.02	0.48425
478270.37	3775390.02	0.49904	478320.37	3775390.02	0.51473
478370.37	3775390.02	0.53003	478420.37	3775390.02	0.54616
478470.37	3775390.02	0.56179	478520.37	3775390.02	0.57750
478570.37	3775390.02	0.59372	478620.37	3775390.02	0.60922
478670.37	3775390.02	0.62500	478720.37	3775390.02	0.63996
478770.37	3775390.02	0.65432	478820.37	3775390.02	0.66861
478870.37	3775390.02	0.68155	478920.37	3775390.02	0.69402
478970.37	3775390.02	0.70492	479020.37	3775390.02	0.71499
479070.37	3775390.02	0.72331	479120.37	3775390.02	0.73023
479170.37	3775390.02	0.73545	479220.37	3775390.02	0.73904
479270.37	3775390.02	0.74067	479320.37	3775390.02	0.74077
479370.37	3775390.02	0.73885	479420.37	3775390.02	0.73550
479470.37	3775390.02	0.73014	479520.37	3775390.02	0.72354
479570.37	3775390.02	0.71528	479620.37	3775390.02	0.68453
479670.37	3775390.02	0.55198	479720.37		

3775390.02 0.53562
479770.37 3775390.02 0.51537 479820.37
3775390.02 0.49741
479870.37 3775390.02 0.48110 479920.37
3775390.02 0.46100
479970.37 3775390.02 0.44910 477970.37
3775440.02 0.40128
478020.37 3775440.02 0.41372 478070.37
3775440.02 0.42629
478120.37 3775440.02 0.43902 478170.37
3775440.02 0.45258
478220.37 3775440.02 0.46588 478270.37
3775440.02 0.47942
478320.37 3775440.02 0.49369 478370.37
3775440.02 0.50771
478420.37 3775440.02 0.52177 478470.37
3775440.02 0.53650
478520.37 3775440.02 0.55062 478570.37
3775440.02 0.56526
478620.37 3775440.02 0.57914 478670.37
3775440.02 0.59295
478720.37 3775440.02 0.60654 478770.37
3775440.02 0.61927
478820.37 3775440.02 0.63191 478870.37
3775440.02 0.64374
478920.37 3775440.02 0.65427 478970.37
3775440.02 0.66382
479020.37 3775440.02 0.67263 479070.37
3775440.02 0.67989
479120.37 3775440.02 0.68591 479170.37
3775440.02 0.69045
479220.37 3775440.02 0.69357 479270.37
3775440.02 0.69497
479320.37 3775440.02 0.69506 479370.37
3775440.02 0.69338
479420.37 3775440.02 0.69046 479470.37
3775440.02 0.68579
479520.37 3775440.02 0.68003 479570.37
3775440.02 0.67286
479620.37 3775440.02 0.63435 479670.37
3775440.02 0.51897

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479720.37	3775440.02	0.50031	479770.37	3775440.02	0.48664
479820.37	3775440.02	0.46622	479870.37	3775440.02	0.45337
479920.37	3775440.02	0.43470	479970.37	3775440.02	0.42619
477970.37	3775490.02	0.38864	478020.37	3775490.02	0.39985
478070.37	3775490.02	0.41182	478120.37	3775490.02	0.42361
478170.37	3775490.02	0.43597	478220.37	3775490.02	0.44837
478270.37	3775490.02	0.46078	478320.37	3775490.02	0.47375
478370.37	3775490.02	0.48663	478420.37	3775490.02	0.49942
478470.37	3775490.02	0.51278	478520.37	3775490.02	0.52554
478570.37	3775490.02	0.53873	478620.37	3775490.02	0.55119
478670.37	3775490.02	0.56355	478720.37	3775490.02	0.57568
478770.37	3775490.02	0.58701	478820.37	3775490.02	0.59823
478870.37	3775490.02	0.60869	478920.37	3775490.02	0.61798
478970.37	3775490.02	0.62638	479020.37	3775490.02	0.63412
479070.37	3775490.02	0.64048	479120.37	3775490.02	0.64575
479170.37	3775490.02	0.64972	479220.37	3775490.02	0.65244
479270.37	3775490.02	0.65365	479320.37	3775490.02	0.65373

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         479370.37    3775490.02        0.65225                      479420.37
3775490.02        0.64970
         479470.37    3775490.02        0.64560                      479520.37
3775490.02        0.64056
         479570.37    3775490.02        0.63427                      479620.37
3775490.02        0.59844
         479670.37    3775490.02        0.49008                      479720.37
3775490.02        0.46752
         479770.37    3775490.02        0.46032                      479820.37
3775490.02        0.43937
         479870.37    3775490.02        0.42661                      479920.37
3775490.02        0.41266
         479970.37    3775490.02        0.40410                      477970.37
3775540.02        0.37642
         478020.37    3775540.02        0.38684                      478070.37
3775540.02        0.39766
         478120.37    3775540.02        0.40886                      478170.37
3775540.02        0.41999
         478220.37    3775540.02        0.43168                      478270.37
3775540.02        0.44308
         478320.37    3775540.02        0.45467                      478370.37
3775540.02        0.46673
         478420.37    3775540.02        0.47836                      478470.37
3775540.02        0.49038
         478520.37    3775540.02        0.50206                      478570.37
3775540.02        0.51398
         478620.37    3775540.02        0.52519                      478670.37
3775540.02        0.53615
         478720.37    3775540.02        0.54714                      478770.37
3775540.02        0.55724
         478820.37    3775540.02        0.56723                      478870.37
3775540.02        0.57625
         478920.37    3775540.02        0.58475                      478970.37
3775540.02        0.59217
         479020.37    3775540.02        0.59901                      479070.37
3775540.02        0.60460
         479120.37    3775540.02        0.60924                      479170.37
3775540.02        0.61271
         479220.37    3775540.02        0.61510                      479270.37
3775540.02        0.61616
         479320.37    3775540.02        0.61622                      479370.37
3775540.02        0.61492
         479420.37    3775540.02        0.61267                      479470.37
3775540.02        0.60907
         479520.37    3775540.02        0.60464                      479570.37
3775540.02        0.59909
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***

INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479620.37	3775540.02	0.56565	479670.37	3775540.02	0.46366
479720.37	3775540.02	0.44271	479770.37	3775540.02	0.42569
479820.37	3775540.02	0.41685	479870.37	3775540.02	0.39895
479920.37	3775540.02	0.39221	479970.37	3775540.02	0.37686
478861.36	3774619.36	2.22530	478791.49	3774517.73	2.36138
478789.65	3774444.30	2.65724	478748.80	3774449.81	2.40869
479103.48	3774681.38	2.62317	479094.51	3774696.20	2.50396
479077.34	3774696.98	2.46159	479101.53	3774731.70	2.30181
479782.92	3774151.51	7.84441	479890.06	3774169.23	5.54121
479890.06	3774137.17	5.82732	479913.68	3774138.01	5.46605
479911.15	3774168.38	5.25561	479885.84	3774064.62	6.09142
480398.50	3774179.13	2.93253	480448.50	3774179.13	2.76613
480498.50	3774179.13	2.60757	479998.50	3774229.13	4.49029
480048.50	3774229.13	4.13639	480098.50	3774229.13	3.85237
480148.50	3774229.13	3.56866	480198.50		

3774229.13 3.32645
480248.50 3774229.13 3.12465 480298.50
3774229.13 2.93924
480348.50 3774229.13 2.76670 480398.50
3774229.13 2.61997
480448.50 3774229.13 2.47147 480498.50
3774229.13 2.35056
479998.50 3774279.13 3.66843 480048.50
3774279.13 3.41476
480098.50 3774279.13 3.19636 480148.50
3774279.13 2.99441
480198.50 3774279.13 2.82115 480248.50
3774279.13 2.65843
480298.50 3774279.13 2.51497 480348.50
3774279.13 2.38432
480398.50 3774279.13 2.26488 480448.50
3774279.13 2.15124
480498.50 3774279.13 2.04947 479998.50
3774329.13 2.95236
480048.50 3774329.13 2.77435 480098.50
3774329.13 2.60943
480148.50 3774329.13 2.47018 480198.50
3774329.13 2.33567
480248.50 3774329.13 2.22070 480298.50
3774329.13 2.11217
480348.50 3774329.13 2.01349 480398.50
3774329.13 1.92214
480448.50 3774329.13 1.83800 480498.50
3774329.13 1.76022
479998.50 3774379.13 2.40195 480048.50
3774379.13 2.26729
480098.50 3774379.13 2.13688 480148.50
3774379.13 2.03735
480198.50 3774379.13 1.92832 480248.50
3774379.13 1.84663
480298.50 3774379.13 1.76305 480348.50
3774379.13 1.68923
480398.50 3774379.13 1.62410 480448.50
3774379.13 1.55576
480498.50 3774379.13 1.49761 479998.50
3774429.13 2.00738
480048.50 3774429.13 1.87576 480098.50
3774429.13 1.78317
480148.50 3774429.13 1.69266 480198.50
3774429.13 1.61131
480248.50 3774429.13 1.54896 480298.50
3774429.13 1.48096
480348.50 3774429.13 1.42297 480398.50
3774429.13 1.36515
480448.50 3774429.13 1.31763 480498.50

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                  L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         479998.50   3774479.13   1.71997   480048.50
3774479.13   1.60468
         480098.50   3774479.13   1.52840   480148.50
3774479.13   1.44374
         480198.50   3774479.13   1.37584   480248.50
3774479.13   1.32335
         480298.50   3774479.13   1.25733   480348.50
3774479.13   1.21517
         480398.50   3774479.13   1.16237   480448.50
3774479.13   1.12666
         480498.50   3774479.13   1.08702   479998.50
3774529.13   1.50919
         480048.50   3774529.13   1.41556   480098.50
3774529.13   1.34264
         480148.50   3774529.13   1.25718   480198.50
3774529.13   1.20408
         480248.50   3774529.13   1.15464   480298.50
3774529.13   1.09546
         480348.50   3774529.13   1.05751   480398.50
3774529.13   1.00971
         480448.50   3774529.13   0.97883   480498.50
3774529.13   0.93890
         479998.50   3774579.13   1.35083   480048.50
3774579.13   1.27475

480098.50 3774579.13 1.18416 480148.50
3774579.13 1.12720
480198.50 3774579.13 1.07743 480248.50
3774579.13 1.01497
480298.50 3774579.13 0.97532 480348.50
3774579.13 0.92766
480398.50 3774579.13 0.89445 480448.50
3774579.13 0.86055
480498.50 3774579.13 0.82926 479998.50
3774629.13 1.22988
480048.50 3774629.13 1.16038 480098.50
3774629.13 1.07966
480148.50 3774629.13 1.02735 480198.50
3774629.13 0.96935
480248.50 3774629.13 0.92114 480298.50
3774629.13 0.87241
480348.50 3774629.13 0.83693 480398.50
3774629.13 0.80767
480448.50 3774629.13 0.76936 480498.50
3774629.13 0.73951
479998.50 3774679.13 1.13106 480048.50
3774679.13 1.06413
480098.50 3774679.13 0.99405 480148.50
3774679.13 0.94554
480198.50 3774679.13 0.88562 480248.50
3774679.13 0.84632
480298.50 3774679.13 0.79881 480348.50
3774679.13 0.76791
480398.50 3774679.13 0.72923 480448.50
3774679.13 0.70335
480498.50 3774679.13 0.67155 479998.50
3774729.13 1.04553
480048.50 3774729.13 0.97250 480098.50
3774729.13 0.92191
480148.50 3774729.13 0.86721 480198.50
3774729.13 0.82226
480248.50 3774729.13 0.77322 480298.50
3774729.13 0.74140
480348.50 3774729.13 0.70927 480398.50
3774729.13 0.67545
480448.50 3774729.13 0.64582 480498.50
3774729.13 0.62106
479998.50 3774779.13 0.97005 480048.50
3774779.13 0.90067
480098.50 3774779.13 0.85894 480148.50
3774779.13 0.80897
480198.50 3774779.13 0.76323 480248.50
3774779.13 0.72152
480298.50 3774779.13 0.69276 480348.50
3774779.13 0.65491

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480398.50	3774779.13	0.63101	480448.50	3774779.13	0.60162
480498.50	3774779.13	0.57964	479998.50	3774829.13	0.90115
480048.50	3774829.13	0.84020	480098.50	3774829.13	0.80300
480148.50	3774829.13	0.75748	480198.50	3774829.13	0.71548
480248.50	3774829.13	0.67691	480298.50	3774829.13	0.65041
480348.50	3774829.13	0.61499	480398.50	3774829.13	0.59277
480448.50	3774829.13	0.56326	480498.50	3774829.13	0.54222
479998.50	3774879.13	0.82823	480048.50	3774879.13	0.78578
480098.50	3774879.13	0.75271	480148.50	3774879.13	0.71135
480198.50	3774879.13	0.67593	480248.50	3774879.13	0.63773
480298.50	3774879.13	0.61285	480348.50	3774879.13	0.57971
480398.50	3774879.13	0.55241	480448.50	3774879.13	0.53133
480498.50	3774879.13	0.51163	479998.50		

3774929.13 0.77406
480048.50 3774929.13 0.73640 480098.50
3774929.13 0.70709
480148.50 3774929.13 0.66416 480198.50
3774929.13 0.63823
480248.50 3774929.13 0.60215 480298.50
3774929.13 0.57914
480348.50 3774929.13 0.54815 480398.50
3774929.13 0.52068
480448.50 3774929.13 0.50286 480498.50
3774929.13 0.47930
479998.50 3774979.13 0.72476 480048.50
3774979.13 0.69134
480098.50 3774979.13 0.66543 480148.50
3774979.13 0.62639
480198.50 3774979.13 0.60300 480248.50
3774979.13 0.56976
480298.50 3774979.13 0.54860 480348.50
3774979.13 0.51964
480398.50 3774979.13 0.49384 480448.50
3774979.13 0.47720
480498.50 3774979.13 0.45494 479998.50
3775029.13 0.67975
480048.50 3775029.13 0.65005 480098.50
3775029.13 0.62718
480148.50 3775029.13 0.59170 480198.50
3775029.13 0.57068
480248.50 3775029.13 0.54013 480298.50
3775029.13 0.52073
480348.50 3775029.13 0.49372 480398.50
3775029.13 0.46950
480448.50 3775029.13 0.45393 480498.50
3775029.13 0.43287
479998.50 3775079.13 0.63855 480048.50
3775079.13 0.61211
480098.50 3775079.13 0.59194 480148.50
3775079.13 0.55968
480198.50 3775079.13 0.54085 480248.50
3775079.13 0.52257
480298.50 3775079.13 0.49510 480348.50
3775079.13 0.46998
480398.50 3775079.13 0.44730 480448.50
3775079.13 0.42843
480498.50 3775079.13 0.41092 479998.50
3775129.13 0.60018
480048.50 3775129.13 0.57717 480098.50
3775129.13 0.55936
480148.50 3775129.13 0.52999 480198.50
3775129.13 0.51286
480248.50 3775129.13 0.49570 480298.50

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                  L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         480298.50   3775179.13   0.44314   480348.50
3775179.13   0.42177
         480398.50   3775179.13   0.40772   480448.50
3775179.13   0.38630
         480498.50   3775179.13   0.37179   479998.50
3775229.13   0.52917
         480048.50   3775229.13   0.51522   480098.50
3775229.13   0.49063
         480148.50   3775229.13   0.47671   480198.50
3775229.13   0.46184
         480248.50   3775229.13   0.44157   480298.50
3775229.13   0.42104
         480348.50   3775229.13   0.40198   480398.50
3775229.13   0.38440

480448.50 3775229.13 0.36930 480498.50
3775229.13 0.35587
479998.50 3775279.13 0.50016 480048.50
3775279.13 0.48776
480098.50 3775279.13 0.46519 480148.50
3775279.13 0.45278
480198.50 3775279.13 0.43827 480248.50
3775279.13 0.42071
480298.50 3775279.13 0.40395 480348.50
3775279.13 0.38271
480398.50 3775279.13 0.36797 480448.50
3775279.13 0.35226
480498.50 3775279.13 0.34052 479998.50
3775329.13 0.47344
480048.50 3775329.13 0.46239 480098.50
3775329.13 0.44158
480148.50 3775329.13 0.43047 480198.50
3775329.13 0.41290
480248.50 3775329.13 0.40126 480298.50
3775329.13 0.38007
480348.50 3775329.13 0.36626 480398.50
3775329.13 0.34892
480448.50 3775329.13 0.33821 480498.50
3775329.13 0.32440
479998.50 3775379.13 0.44880 480048.50
3775379.13 0.43581
480098.50 3775379.13 0.41921 480148.50
3775379.13 0.40967
480198.50 3775379.13 0.39129 480248.50
3775379.13 0.37627
480298.50 3775379.13 0.35949 480348.50
3775379.13 0.34626
480398.50 3775379.13 0.33350 480448.50
3775379.13 0.32137
480498.50 3775379.13 0.30967 479998.50
3775429.13 0.42541
480048.50 3775429.13 0.40744 480098.50
3775429.13 0.39887
480148.50 3775429.13 0.38494 480198.50
3775429.13 0.37150
480248.50 3775429.13 0.35333 480298.50
3775429.13 0.34134
480348.50 3775429.13 0.32720 480398.50
3775429.13 0.31558
480448.50 3775429.13 0.30769 480498.50
3775429.13 0.29642
479998.50 3775479.13 0.39892 480048.50
3775479.13 0.38772
480098.50 3775479.13 0.37997 480148.50
3775479.13 0.36457

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480198.50	3775479.13	0.34902	480248.50	3775479.13	0.33336
480298.50	3775479.13	0.32064	480348.50	3775479.13	0.30995
480398.50	3775479.13	0.29979	480448.50	3775479.13	0.29254
480498.50	3775479.13	0.28185	480254.72	3774120.37	3.91619
480287.52	3774147.62	3.58654	480349.09	3774140.55	3.34657
480381.90	3774044.67	3.45709	480443.97	3774003.79	3.17218
480407.64	3774005.81	3.32057	480390.48	3774008.33	3.39174
480543.03	3774446.66	1.16559	480593.03	3774446.66	1.12345
480643.03	3774446.66	1.09229	480693.03	3774446.66	1.05695
480743.03	3774446.66	1.02826	480793.03	3774446.66	0.99550
480843.03	3774446.66	0.97063	480893.03	3774446.66	0.94431
480943.03	3774446.66	0.91862	480993.03	3774446.66	0.89668
481043.03	3774446.66	0.87287	481093.03		

3774446.66 0.85114
481143.03 3774446.66 0.82875 481193.03
3774446.66 0.80766
481243.03 3774446.66 0.78746 481293.03
3774446.66 0.76712
481343.03 3774446.66 0.74711 481393.03
3774446.66 0.73128
481443.03 3774446.66 0.71305 480543.03
3774496.66 1.00284
480593.03 3774496.66 0.96654 480643.03
3774496.66 0.94143
480693.03 3774496.66 0.91100 480743.03
3774496.66 0.88624
480793.03 3774496.66 0.86199 480843.03
3774496.66 0.84288
480893.03 3774496.66 0.82167 480943.03
3774496.66 0.80091
480993.03 3774496.66 0.77991 481043.03
3774496.66 0.76277
481093.03 3774496.66 0.74677 481143.03
3774496.66 0.72782
481193.03 3774496.66 0.70908 481243.03
3774496.66 0.69505
481293.03 3774496.66 0.67818 481343.03
3774496.66 0.66150
481393.03 3774496.66 0.64535 481443.03
3774496.66 0.63392
481493.03 3774496.66 0.61883 480543.03
3774546.66 0.86977
480593.03 3774546.66 0.84274 480643.03
3774546.66 0.82131
480693.03 3774546.66 0.79442 480743.03
3774546.66 0.77323
480793.03 3774546.66 0.75248 480843.03
3774546.66 0.73697
480893.03 3774546.66 0.71558 480943.03
3774546.66 0.70130
480993.03 3774546.66 0.68297 481043.03
3774546.66 0.67003
481093.03 3774546.66 0.65263 481143.03
3774546.66 0.63854
481193.03 3774546.66 0.62523 481243.03
3774546.66 0.60996
481293.03 3774546.66 0.59638 481343.03
3774546.66 0.58576
481393.03 3774546.66 0.57213 481443.03
3774546.66 0.56104
481493.03 3774546.66 0.55047 481543.03
3774546.66 0.54182
480543.03 3774596.66 0.76862 480593.03

3774596.66   0.74697
         480643.03   3774596.66   0.71952   480693.03
3774596.66   0.70271
         480743.03   3774596.66   0.67917   480793.03
3774596.66   0.66487
         480843.03   3774596.66   0.64608   480893.03
3774596.66   0.63212
         480943.03   3774596.66   0.61775   480993.03
3774596.66   0.60326
         481043.03   3774596.66   0.58928   481093.03
3774596.66   0.57692
         481143.03   3774596.66   0.56293   481193.03
3774596.66   0.55193
         481243.03   3774596.66   0.54062   481293.03
3774596.66   0.52883
         481343.03   3774596.66   0.51851   481393.03
3774596.66   0.50855
         481443.03   3774596.66   0.49808   481493.03
3774596.66   0.49005
         481543.03   3774596.66   0.48010   480543.03
3774646.66   0.69253

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                  L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         480593.03   3774646.66   0.66942   480643.03
3774646.66   0.64728
         480693.03   3774646.66   0.63125   480743.03
3774646.66   0.60918

480793.03 3774646.66 0.59511 480843.03
3774646.66 0.57679
480893.03 3774646.66 0.56269 480943.03
3774646.66 0.54882
480993.03 3774646.66 0.53895 481043.03
3774646.66 0.52428
481093.03 3774646.66 0.51057 481143.03
3774646.66 0.50255
481193.03 3774646.66 0.49019 481243.03
3774646.66 0.48250
481293.03 3774646.66 0.47176 481343.03
3774646.66 0.46337
481393.03 3774646.66 0.45443 481443.03
3774646.66 0.44501
481493.03 3774646.66 0.43765 481543.03
3774646.66 0.43016
480543.03 3774696.66 0.63464 480593.03
3774696.66 0.60936
480643.03 3774696.66 0.59115 480693.03
3774696.66 0.57011
480743.03 3774696.66 0.55451 480793.03
3774696.66 0.54093
480843.03 3774696.66 0.52345 480893.03
3774696.66 0.50779
480943.03 3774696.66 0.49643 480993.03
3774696.66 0.48260
481043.03 3774696.66 0.47150 481093.03
3774696.66 0.46086
481143.03 3774696.66 0.44988 481193.03
3774696.66 0.44199
481243.03 3774696.66 0.43117 481293.03
3774696.66 0.42515
481343.03 3774696.66 0.41536 481393.03
3774696.66 0.40607
481443.03 3774696.66 0.40101 481493.03
3774696.66 0.39247
481543.03 3774696.66 0.38532 480543.03
3774746.66 0.58231
480593.03 3774746.66 0.56296 480643.03
3774746.66 0.54375
480693.03 3774746.66 0.52498 480743.03
3774746.66 0.51040
480793.03 3774746.66 0.49274 480843.03
3774746.66 0.48125
480893.03 3774746.66 0.46518 480943.03
3774746.66 0.45329
480993.03 3774746.66 0.44145 481043.03
3774746.66 0.42846
481093.03 3774746.66 0.42042 481143.03
3774746.66 0.40940

```
         481193.03    3774746.66        0.40022                       481243.03
3774746.66        0.39249
         481293.03    3774746.66        0.38365                       481343.03
3774746.66        0.37615
         481393.03    3774746.66        0.36901                       481443.03
3774746.66        0.36149
         481493.03    3774746.66        0.35510                       481543.03
3774746.66        0.34895
         480543.03    3774796.66        0.54457                       480593.03
3774796.66        0.52306
         480643.03    3774796.66        0.50397                       480693.03
3774796.66        0.48508
         480743.03    3774796.66        0.47074                       480793.03
3774796.66        0.45866
         480843.03    3774796.66        0.44337                       480893.03
3774796.66        0.43189
         480943.03    3774796.66        0.41752                       480993.03
3774796.66        0.40524
         481043.03    3774796.66        0.39613                       481093.03
3774796.66        0.38446
         481143.03    3774796.66        0.37756                       481193.03
3774796.66        0.36726
         481243.03    3774796.66        0.36089                       481293.03
3774796.66        0.35216
         481343.03    3774796.66        0.34355                       481393.03
3774796.66        0.33840
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                    INCLUDING SOURCE(S):     L0002507    , L0002508
, L0002509    , L0002510    , L0002511    ,
                  L0002512    , L0002513    , L0002514    , L0002515    , L0002516
, L0002517    , L0002518    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- -
481443.03 3774796.66 0.33102 481493.03
3774796.66 0.32371
481543.03 3774796.66 0.31673 480543.03
3774846.66 0.51075
480593.03 3774846.66 0.48954 480643.03
3774846.66 0.47334
480693.03 3774846.66 0.45175 480743.03
3774846.66 0.44021
480793.03 3774846.66 0.43058 480843.03
3774846.66 0.41587
480893.03 3774846.66 0.40469 480943.03
3774846.66 0.39051
480993.03 3774846.66 0.37822 481043.03
3774846.66 0.36818
481093.03 3774846.66 0.35833 481143.03
3774846.66 0.34826
481193.03 3774846.66 0.34171 481243.03
3774846.66 0.33234
481293.03 3774846.66 0.32518 481343.03
3774846.66 0.31761
481393.03 3774846.66 0.31054 481443.03
3774846.66 0.30359
481493.03 3774846.66 0.29848 481543.03
3774846.66 0.29250
480543.03 3774896.66 0.48261 480593.03
3774896.66 0.46148
480643.03 3774896.66 0.44216 480693.03
3774896.66 0.42559
480743.03 3774896.66 0.41285 480793.03
3774896.66 0.40228
480843.03 3774896.66 0.39234 480893.03
3774896.66 0.38001
480943.03 3774896.66 0.36818 480993.03
3774896.66 0.35616
481043.03 3774896.66 0.34453 481093.03
3774896.66 0.33577
481143.03 3774896.66 0.32699 481193.03
3774896.66 0.31861
481243.03 3774896.66 0.31127 481293.03
3774896.66 0.30304
481343.03 3774896.66 0.29613 481393.03
3774896.66 0.28918
481443.03 3774896.66 0.28246 481493.03
3774896.66 0.27605
481543.03 3774896.66 0.27006 480543.03
3774946.66 0.45241
480593.03 3774946.66 0.43753 480643.03
3774946.66 0.41929
480693.03 3774946.66 0.40368 480743.03

3774946.66   0.39165
         480793.03   3774946.66   0.38142   480843.03
3774946.66   0.37164
         480893.03   3774946.66   0.35820   480943.03
3774946.66   0.34571
         480993.03   3774946.66   0.33482   481043.03
3774946.66   0.32488
         481093.03   3774946.66   0.31599   481143.03
3774946.66   0.30691
         481193.03   3774946.66   0.30004   481243.03
3774946.66   0.29130
         481293.03   3774946.66   0.28373   481343.03
3774946.66   0.27687
         481393.03   3774946.66   0.27044   481443.03
3774946.66   0.26379
         481493.03   3774946.66   0.25724   481543.03
3774946.66   0.25330

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         478170.37   3774040.02   1.10521   478220.37
3774040.02   1.19110
         478270.37   3774040.02   1.29184   478320.37
3774040.02   1.40282
         478170.37   3774090.02   1.07867   478220.37
3774090.02   1.16141
         478270.37   3774090.02   1.25831   478320.37
3774090.02   1.36494

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         478170.37    3774140.02        1.05125                    478220.37
3774140.02        1.13076
         478270.37    3774140.02        1.22344                    478320.37
3774140.02        1.32536
         478170.37    3774190.02        1.02342                    478220.37
3774190.02        1.10036
         478270.37    3774190.02        1.18794                    478320.37
3774190.02        1.28499
         478170.37    3774240.02        0.99554                    478220.37
3774240.02        1.06897
         478270.37    3774240.02        1.15235                    478320.37
3774240.02        1.24452
         478370.37    3774240.02        1.35040                    478420.37
3774240.02        1.47266
         478470.37    3774240.02        1.61059                    478520.37
3774240.02        1.77558
         478570.37    3774240.02        1.96324                    479170.37
3774240.02       17.54812
         479220.37    3774240.02       25.05141                    479270.37
3774240.02       37.32340
         479320.37    3774240.02       49.97005                    479370.37
3774240.02       43.10118
         479420.37    3774240.02       30.94776                    479470.37
3774240.02       22.90701
         479520.37    3774240.02       17.52428                    479570.37
3774240.02       13.88208
         479620.37    3774240.02       11.31137                    479670.37
3774240.02        9.39413
         479720.37    3774240.02        7.96592                    479770.37
3774240.02        6.83600
         479820.37    3774240.02        5.95528                    479870.37
3774240.02        5.24197
         479920.37    3774240.02        4.65550                    479970.37
3774240.02        4.23836
         478170.37    3774290.02        0.96786                    478220.37
3774290.02        1.03781
         478270.37    3774290.02        1.11704                    478320.37
3774290.02        1.20438
         478370.37    3774290.02        1.30439                    478420.37
3774290.02        1.41947
         478470.37    3774290.02        1.54877                    478520.37
3774290.02        1.70272
         478570.37    3774290.02        1.87690                    479170.37
3774290.02       13.33218
         479220.37    3774290.02       17.08389                    479270.37
3774290.02       21.37972
         479320.37    3774290.02       24.01803                    479370.37
3774290.02       22.64606
         479420.37    3774290.02       18.83334                    479470.37
3774290.02       15.20161
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         479520.37    3774290.02       12.36469                       479570.37
3774290.02       10.25521
         479620.37    3774290.02        8.63187                       479670.37
3774290.02        7.40114
         479720.37    3774290.02        6.42616                       479770.37
3774290.02        5.62881
         479820.37    3774290.02        4.98667                       479870.37
3774290.02        4.45471
         479920.37    3774290.02        4.00629                       479970.37
3774290.02        3.81704
         478170.37    3774340.02        0.94052                       478220.37
3774340.02        1.00706
         478270.37    3774340.02        1.08222                       478320.37
3774340.02        1.16483
         478370.37    3774340.02        1.25909                       478420.37
3774340.02        1.36714
         478470.37    3774340.02        1.49014                       478520.37
3774340.02        1.63119
         478570.37    3774340.02        1.79223                       479170.37
3774340.02       10.19766
         479220.37    3774340.02       12.13498                       479270.37
3774340.02       13.89013
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         479320.37    3774340.02       14.78398                       479370.37
3774340.02       14.31945
         479420.37    3774340.02       12.81906                       479470.37
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3774340.02 11.00564
479520.37 3774340.02 9.31274 479570.37
3774340.02 7.94274
479620.37 3774340.02 6.82780 479670.37
3774340.02 5.95478
479720.37 3774340.02 5.23712 479770.37
3774340.02 4.66114
479820.37 3774340.02 4.17948 479870.37
3774340.02 3.67269
479920.37 3774340.02 3.30221 479970.37
3774340.02 3.07734
478170.37 3774390.02 0.91359 478220.37
3774390.02 0.97679
478270.37 3774390.02 1.04797 478320.37
3774390.02 1.12595
478370.37 3774390.02 1.21651 478420.37
3774390.02 1.31578
478470.37 3774390.02 1.43090 478520.37
3774390.02 1.56112
478570.37 3774390.02 1.70937 479170.37
3774390.02 7.94302
479220.37 3774390.02 8.99733 479270.37
3774390.02 9.84001
479320.37 3774390.02 10.23208 479370.37
3774390.02 10.01706
479420.37 3774390.02 9.31840 479470.37
3774390.02 8.33520
479520.37 3774390.02 7.33245 479570.37
3774390.02 6.40759
479620.37 3774390.02 5.60989 479670.37
3774390.02 4.94385
479720.37 3774390.02 4.39586 479770.37
3774390.02 3.94296
479820.37 3774390.02 3.43390 479870.37
3774390.02 3.05669
479920.37 3774390.02 2.73552 479970.37
3774390.02 2.51180
478170.37 3774440.02 0.88709 478220.37
3774440.02 0.94719
478270.37 3774440.02 1.01430 478320.37
3774440.02 1.08773
478370.37 3774440.02 1.17269 478420.37
3774440.02 1.26537
478470.37 3774440.02 1.37227 478520.37
3774440.02 1.49245
478570.37 3774440.02 1.62826 478620.37
3774440.02 1.78726
478670.37 3774440.02 1.96846 478720.37
3774440.02 2.17667
478770.37 3774440.02 2.41860 478820.37

3774440.02   2.70902
         479320.37   3774440.02   7.59432   479370.37
3774440.02   7.48146
         479420.37   3774440.02   7.10708   479470.37
3774440.02   6.54315
         479520.37   3774440.02   5.92068   479570.37
3774440.02   5.29812
         479620.37   3774440.02   4.72432   479670.37
3774440.02   4.21781
         479720.37   3774440.02   3.78439   479770.37
3774440.02   3.41654
         479820.37   3774440.02   2.93606   479870.37
3774440.02   2.65258
         479920.37   3774440.02   2.26677   479970.37
3774440.02   2.12243
         478170.37   3774490.02   0.86100   478220.37
3774490.02   0.91900
         478270.37   3774490.02   0.98116   478320.37
3774490.02   1.05015
         478370.37   3774490.02   1.12960   478420.37
3774490.02   1.21583
         478470.37   3774490.02   1.31472   478520.37
3774490.02   1.42511
         478570.37   3774490.02   1.54895   478620.37
3774490.02   1.69354
         478670.37   3774490.02   1.85413   478720.37
3774490.02   2.03746

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

- -
- -
478749.26 3774487.73 2.16218 478820.37
3774490.02 2.49407
479370.37 3774490.02 5.84142 479420.37
3774490.02 5.61885
479470.37 3774490.02 5.27601 479520.37
3774490.02 4.87432
479570.37 3774490.02 4.44472 479620.37
3774490.02 4.03620
479670.37 3774490.02 3.65156 479720.37
3774490.02 3.31182
479770.37 3774490.02 3.01211 479820.37
3774490.02 2.55453
479870.37 3774490.02 2.17023 479920.37
3774490.02 1.97800
479970.37 3774490.02 1.84977 478170.37
3774540.02 0.83582
478220.37 3774540.02 0.89004 478270.37
3774540.02 0.94851
478320.37 3774540.02 1.01313 478370.37
3774540.02 1.08720
478420.37 3774540.02 1.16712 478470.37
3774540.02 1.25821
478520.37 3774540.02 1.35912 478570.37
3774540.02 1.47133
478620.37 3774540.02 1.60107 478670.37
3774540.02 1.74339
478720.37 3774540.02 1.90360 478764.86
3774550.58 2.03246
478807.52 3774552.41 2.19234 479370.37
3774540.02 4.71189
479420.37 3774540.02 4.57189 479470.37
3774540.02 4.35013
479520.37 3774540.02 4.08086 479570.37
3774540.02 3.78064
479620.37 3774540.02 3.48362 479670.37
3774540.02 3.19254
479720.37 3774540.02 2.92683 479770.37
3774540.02 2.56004
479820.37 3774540.02 2.28399 479870.37
3774540.02 1.93118
479920.37 3774540.02 1.76456 479970.37
3774540.02 1.65037
478170.37 3774590.02 0.81099 478220.37
3774590.02 0.86147
478270.37 3774590.02 0.91631 478320.37
3774590.02 0.97806
478370.37 3774590.02 1.04545 478420.37
3774590.02 1.11929

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         478470.37    3774590.02        1.20358                        478520.37
3774590.02        1.29456
         478570.37    3774590.02        1.39865                        478620.37
3774590.02        1.51141
         478670.37    3774590.02        1.63674                        478720.37
3774590.02        1.77637
         478776.33    3774602.87        1.91477                        478804.31
3774604.25        2.00063
         479370.37    3774590.02        3.89678                        479420.37
3774590.02        3.80060
         479470.37    3774590.02        3.65400                        479520.37
3774590.02        3.46685
         479570.37    3774590.02        3.25235                        479620.37
3774590.02        3.03318
         479670.37    3774590.02        2.81162                        479720.37
3774590.02        2.60338
         479770.37    3774590.02        2.22068                        479820.37
3774590.02        2.05856
         479870.37    3774590.02        1.73728                        479920.37
3774590.02        1.59539
         479970.37    3774590.02        1.46646                        478170.37
3774640.02        0.78623
         478220.37    3774640.02        0.83327                        478270.37
3774640.02        0.88456
         478320.37    3774640.02        0.94202                        478370.37
3774640.02        1.00439
         478420.37    3774640.02        1.07228                        478470.37
3774640.02        1.14925
         478520.37    3774640.02        1.23160                        478570.37
3774640.02        1.32496
         478620.37    3774640.02        1.42496                        478670.37
3774640.02        1.53568
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:39:05

                                  PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478720.37	3774640.02	1.65851	478770.37	3774640.02	1.79003
478820.37	3774640.02	1.93392	478870.37	3774640.02	2.08984
479370.37	3774640.02	3.28692	479420.37	3774640.02	3.22022
479470.37	3774640.02	3.11754	479520.37	3774640.02	2.98161
479570.37	3774640.02	2.82677	479620.37	3774640.02	2.65949
479670.37	3774640.02	2.49195	479720.37	3774640.02	2.21634
479770.37	3774640.02	1.99839	479820.37	3774640.02	1.86516
479870.37	3774640.02	1.54923	479920.37	3774640.02	1.45396
479970.37	3774640.02	1.33980	478170.37	3774690.02	0.76147
478220.37	3774690.02	0.80543	478270.37	3774690.02	0.85327
478320.37	3774690.02	0.90682	478370.37	3774690.02	0.96407
478420.37	3774690.02	1.02625	478470.37	3774690.02	1.09623
478520.37	3774690.02	1.17045	478570.37	3774690.02	1.25383
478620.37	3774690.02	1.34213	478670.37	3774690.02	1.44070
478720.37	3774690.02	1.54459	478770.37	3774690.02	1.65624
478820.37	3774690.02	1.77868	478868.71	3774700.63	1.86409
478861.34	3774671.12	1.94726	479026.61	3774722.40	2.16023
479059.05	3774696.65	2.37514	479113.74	3774695.09	2.51569
479370.37	3774690.02	2.81536	479420.37	3774690.02	2.76940
479470.37	3774690.02	2.69519	479520.37	3774690.02	2.59447
479570.37	3774690.02	2.47931	479620.37	3774690.02	2.35159
479670.37	3774690.02	2.22188	479720.37		

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3774690.02        1.95680
         479770.37    3774690.02        1.80613                          479820.37
3774690.02        1.51453
         479870.37    3774690.02        1.41272                          479920.37
3774690.02        1.33142
         479970.37    3774690.02        1.22581                          478170.37
3774740.02        0.73692
         478220.37    3774740.02        0.77799                          478270.37
3774740.02        0.82247
         478320.37    3774740.02        0.87225                          478370.37
3774740.02        0.92458
         478420.37    3774740.02        0.98154                          478470.37
3774740.02        1.04471
         478520.37    3774740.02        1.11134                          478570.37
3774740.02        1.18554
         478620.37    3774740.02        1.26326                          478670.37
3774740.02        1.34911
         478720.37    3774740.02        1.43843                          478770.37
3774740.02        1.53500
         478820.37    3774740.02        1.63586                          478862.96
3774730.27        1.75597
         479020.37    3774740.02        2.06331                          479070.37
3774740.02        2.16702
         479120.37    3774740.02        2.25912                          479370.37
3774740.02        2.44472
         479420.37    3774740.02        2.41161                          479470.37
3774740.02        2.35631
         479520.37    3774740.02        2.28095                          479570.37
3774740.02        2.19283
         479620.37    3774740.02        2.09441                          479670.37
3774740.02        1.99234
         479720.37    3774740.02        1.73172                          479770.37
3774740.02        1.48868
         479820.37    3774740.02        1.36498                          479870.37
3774740.02        1.29306
         479920.37    3774740.02        1.22372                          479970.37
3774740.02        1.12526
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
```

, L0000011   , L0000012   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774790.02	0.71271	478220.37	3774790.02	0.75096
478270.37	3774790.02	0.79219	478320.37	3774790.02	0.83808
478370.37	3774790.02	0.88600	478420.37	3774790.02	0.93927
478470.37	3774790.02	0.99486	478520.37	3774790.02	1.05503
478570.37	3774790.02	1.12035	478620.37	3774790.02	1.18861
478670.37	3774790.02	1.26329	478720.37	3774790.02	1.34008
478770.37	3774790.02	1.42269	478820.37	3774790.02	1.50750
478870.37	3774790.02	1.59518	478920.37	3774790.02	1.68268
478970.37	3774790.02	1.76961	479020.37	3774790.02	1.85571
479070.37	3774790.02	1.93539	479120.37	3774790.02	2.00668
479370.37	3774790.02	2.14739	479420.37	3774790.02	2.12243
479470.37	3774790.02	2.07875	479520.37	3774790.02	2.02278
479570.37	3774790.02	1.95345	479620.37	3774790.02	1.87731
479670.37	3774790.02	1.79608	479720.37	3774790.02	1.56867
479770.37	3774790.02	1.35435	479820.37	3774790.02	1.24762
479870.37	3774790.02	1.18737	479920.37	3774790.02	1.10142
479970.37	3774790.02	1.04138	477970.37	3774840.02	0.56705
478020.37	3774840.02	0.59491	478070.37	3774840.02	0.62410
478120.37	3774840.02	0.65571	478170.37	3774840.02	0.68887

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         478220.37    3774840.02        0.72441                        478270.37
3774840.02        0.76380
         478320.37    3774840.02        0.80470                        478370.37
3774840.02        0.84845
         478420.37    3774840.02        0.89679                        478470.37
3774840.02        0.94683
         478520.37    3774840.02        1.00070                        478570.37
3774840.02        1.05844
         478620.37    3774840.02        1.11957                        478670.37
3774840.02        1.18329
         478720.37    3774840.02        1.24939                        478770.37
3774840.02        1.31989
         478820.37    3774840.02        1.39122                        478870.37
3774840.02        1.46426
         478920.37    3774840.02        1.53628                        478970.37
3774840.02        1.60698
         479020.37    3774840.02        1.67656                        479070.37
3774840.02        1.73955
         479120.37    3774840.02        1.79610                        479170.37
3774840.02        1.84361
         479220.37    3774840.02        1.87949                        479270.37
3774840.02        1.90171
         479320.37    3774840.02        1.91084                        479370.37
3774840.02        1.90425
         479420.37    3774840.02        1.88448                        479470.37
3774840.02        1.85120
         479520.37    3774840.02        1.80709                        479570.37
3774840.02        1.75283
         479620.37    3774840.02        1.69259                        479670.37
3774840.02        1.51733
         479720.37    3774840.02        1.42716                        479770.37
3774840.02        1.23699
         479820.37    3774840.02        1.14424                        479870.37
3774840.02        1.09358
         479920.37    3774840.02        1.01204                        479970.37
3774840.02        0.96626
         477970.37    3774890.02        0.55221                        478020.37
3774890.02        0.57758
         478070.37    3774890.02        0.60499                        478120.37
3774890.02        0.63456
         478170.37    3774890.02        0.66544                        478220.37
3774890.02        0.69837
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                        ***       10:39:05

                                  PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478270.37	3774890.02	0.73470	478320.37	3774890.02	0.77218
478370.37	3774890.02	0.81204	478420.37	3774890.02	0.85581
478470.37	3774890.02	0.90076	478520.37	3774890.02	0.94881
478570.37	3774890.02	0.99992	478620.37	3774890.02	1.05358
478670.37	3774890.02	1.10902	478720.37	3774890.02	1.16600
478770.37	3774890.02	1.22626	478820.37	3774890.02	1.28660
478870.37	3774890.02	1.34779	478920.37	3774890.02	1.40747
478970.37	3774890.02	1.46546	479020.37	3774890.02	1.52200
479070.37	3774890.02	1.57262	479120.37	3774890.02	1.61768
479170.37	3774890.02	1.65523	479220.37	3774890.02	1.68338
479270.37	3774890.02	1.70069	479320.37	3774890.02	1.70778
479370.37	3774890.02	1.70255	479420.37	3774890.02	1.68705
479470.37	3774890.02	1.66085	479520.37	3774890.02	1.62539
479570.37	3774890.02	1.58270	479620.37	3774890.02	1.53427
479670.37	3774890.02	1.38043	479720.37	3774890.02	1.30376
479770.37	3774890.02	1.13401	479820.37	3774890.02	1.05283
479870.37	3774890.02	1.01004	479920.37		

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3774890.02        0.93796
         479970.37    3774890.02        0.89862                    477970.37
3774940.02        0.53663
         478020.37    3774940.02        0.56049                    478070.37
3774940.02        0.58618
         478120.37    3774940.02        0.61378                    478170.37
3774940.02        0.64246
         478220.37    3774940.02        0.67290                    478270.37
3774940.02        0.70634
         478320.37    3774940.02        0.74062                    478370.37
3774940.02        0.77685
         478420.37    3774940.02        0.81642                    478470.37
3774940.02        0.85676
         478520.37    3774940.02        0.89959                    478570.37
3774940.02        0.94483
         478620.37    3774940.02        0.99197                    478670.37
3774940.02        1.04028
         478720.37    3774940.02        1.08949                    478770.37
3774940.02        1.14085
         478820.37    3774940.02        1.19208                    478870.37
3774940.02        1.24402
         478920.37    3774940.02        1.29381                    478970.37
3774940.02        1.34175
         479020.37    3774940.02        1.38812                    479070.37
3774940.02        1.42925
         479120.37    3774940.02        1.46559                    479170.37
3774940.02        1.49567
         479220.37    3774940.02        1.51809                    479270.37
3774940.02        1.53178
         479320.37    3774940.02        1.53737                    479370.37
3774940.02        1.53316
         479420.37    3774940.02        1.52081                    479470.37
3774940.02        1.49988
         479520.37    3774940.02        1.47143                    479570.37
3774940.02        1.43698
         479620.37    3774940.02        1.39763                    479670.37
3774940.02        1.26142
         479720.37    3774940.02        1.19564                    479770.37
3774940.02        1.01485
         479820.37    3774940.02        0.97172                    479870.37
3774940.02        0.93540
         479920.37    3774940.02        0.87135                    479970.37
3774940.02        0.83748
         477970.37    3774990.02        0.52126                    478020.37
3774990.02        0.54366
         478070.37    3774990.02        0.56768                    478120.37
3774990.02        0.59338
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774990.02	0.61998	478220.37	3774990.02	0.64807
478270.37	3774990.02	0.67878	478320.37	3774990.02	0.71007
478370.37	3774990.02	0.74297	478420.37	3774990.02	0.77870
478470.37	3774990.02	0.81488	478520.37	3774990.02	0.85306
478570.37	3774990.02	0.89313	478620.37	3774990.02	0.93461
478670.37	3774990.02	0.97679	478720.37	3774990.02	1.01944
478770.37	3774990.02	1.06355	478820.37	3774990.02	1.10728
478870.37	3774990.02	1.15085	478920.37	3774990.02	1.19318
478970.37	3774990.02	1.23312	479020.37	3774990.02	1.27149
479070.37	3774990.02	1.30523	479120.37	3774990.02	1.33487
479170.37	3774990.02	1.35926	479220.37	3774990.02	1.37734
479270.37	3774990.02	1.38832	479320.37	3774990.02	1.39279
479370.37	3774990.02	1.38935	479420.37	3774990.02	1.37938
479470.37	3774990.02	1.36244	479520.37	3774990.02	1.33933

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         479570.37    3774990.02        1.31122                    479620.37
3774990.02        1.27892
         479670.37    3774990.02        1.15739                    479720.37
3774990.02        1.10047
         479770.37    3774990.02        0.94483                    479820.37
3774990.02        0.89951
         479870.37    3774990.02        0.86852                    479920.37
3774990.02        0.81130
         479970.37    3774990.02        0.78205                    477970.37
3775040.02        0.50612
         478020.37    3775040.02        0.52710                    478070.37
3775040.02        0.54952
         478120.37    3775040.02        0.57342                    478170.37
3775040.02        0.59803
         478220.37    3775040.02        0.62391                    478270.37
3775040.02        0.65207
         478320.37    3775040.02        0.68061                    478370.37
3775040.02        0.71045
         478420.37    3775040.02        0.74271                    478470.37
3775040.02        0.77516
         478520.37    3775040.02        0.80922                    478570.37
3775040.02        0.84475
         478620.37    3775040.02        0.88130                    478670.37
3775040.02        0.91823
         478720.37    3775040.02        0.95530                    478770.37
3775040.02        0.99341
         478820.37    3775040.02        1.03091                    478870.37
3775040.02        1.06848
         478920.37    3775040.02        1.10379                    478970.37
3775040.02        1.13730
         479020.37    3775040.02        1.16930                    479070.37
3775040.02        1.19725
         479120.37    3775040.02        1.22166                    479170.37
3775040.02        1.24165
         479220.37    3775040.02        1.25640                    479270.37
3775040.02        1.26532
         479320.37    3775040.02        1.26894                    479370.37
3775040.02        1.26610
         479420.37    3775040.02        1.25795                    479470.37
3775040.02        1.24408
         479520.37    3775040.02        1.22571                    479570.37
3775040.02        1.20200
         479620.37    3775040.02        1.17516                    479670.37
3775040.02        1.06711
         479720.37    3775040.02        1.01633                    479770.37
3775040.02        0.88772
         479820.37    3775040.02        0.83502                    479870.37
3775040.02        0.80844
         479920.37    3775040.02        0.75705                    479970.37
3775040.02        0.73170
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477970.37   3775090.02   0.49122   478020.37
3775090.02   0.51084
↑ *** AERMOD - VERSION 21112 ***   *** Drake Warehouse Construction HRA
***   01/09/23
*** AERMET - VERSION 16216 ***   ***
***   10:39:05

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478070.37	3775090.02	0.53174	478120.37	3775090.02	0.55393
478170.37	3775090.02	0.57667	478220.37	3775090.02	0.60047
478270.37	3775090.02	0.62628	478320.37	3775090.02	0.65228
478370.37	3775090.02	0.67934	478420.37	3775090.02	0.70847
478470.37	3775090.02	0.73759	478520.37	3775090.02	0.76800
478570.37	3775090.02	0.79956	478620.37	3775090.02	0.83184
478670.37	3775090.02	0.86425	478720.37	3775090.02	0.89658
478770.37	3775090.02	0.92903	478820.37	3775090.02	0.96192
478870.37	3775090.02	0.99409	478920.37	3775090.02	1.02410
478970.37	3775090.02	1.05240	479020.37	3775090.02	1.07930
479070.37	3775090.02	1.10264	479120.37	3775090.02	1.12293
479170.37	3775090.02	1.13948	479220.37		

3775090.02 1.15165
479270.37 3775090.02 1.15896 479320.37
3775090.02 1.16193
479370.37 3775090.02 1.15956 479420.37
3775090.02 1.15300
479470.37 3775090.02 1.14134 479520.37
3775090.02 1.12612
479570.37 3775090.02 1.10683 479620.37
3775090.02 1.08396
479670.37 3775090.02 1.05876 479720.37
3775090.02 0.94162
479770.37 3775090.02 0.79958 479820.37
3775090.02 0.77722
479870.37 3775090.02 0.74732 479920.37
3775090.02 0.70794
479970.37 3775090.02 0.68588 477970.37
3775140.02 0.47659
478020.37 3775140.02 0.49492 478070.37
3775140.02 0.51436
478120.37 3775140.02 0.53493 478170.37
3775140.02 0.55592
478220.37 3775140.02 0.57780 478270.37
3775140.02 0.60143
478320.37 3775140.02 0.62512 478370.37
3775140.02 0.64966
478420.37 3775140.02 0.67597 478470.37
3775140.02 0.70213
478520.37 3775140.02 0.72932 478570.37
3775140.02 0.75740
478620.37 3775140.02 0.78597 478670.37
3775140.02 0.81449
478720.37 3775140.02 0.84278 478770.37
3775140.02 0.87087
478820.37 3775140.02 0.89948 478870.37
3775140.02 0.92680
478920.37 3775140.02 0.95281 478970.37
3775140.02 0.97686
479020.37 3775140.02 0.99964 479070.37
3775140.02 1.01927
479120.37 3775140.02 1.03628 479170.37
3775140.02 1.05011
479220.37 3775140.02 1.06024 479270.37
3775140.02 1.06630
479320.37 3775140.02 1.06875 479370.37
3775140.02 1.06675
479420.37 3775140.02 1.06133 479470.37
3775140.02 1.05182
479520.37 3775140.02 1.03882 479570.37
3775140.02 1.02274
479620.37 3775140.02 1.00336 479670.37

3775140.02   0.98204
        479720.37   3775140.02   0.87501   479770.37
3775140.02   0.74451
        479820.37   3775140.02   0.72527   479870.37
3775140.02   0.69723
        479920.37   3775140.02   0.66339   479970.37
3775140.02   0.63800

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
477970.37	3775190.02	0.46225	478020.37	3775190.02	0.47935
478070.37	3775190.02	0.49742	478120.37	3775190.02	0.51647
478170.37	3775190.02	0.53583	478220.37	3775190.02	0.55592
478270.37	3775190.02	0.57756	478320.37	3775190.02	0.59914
478370.37	3775190.02	0.62140	478420.37	3775190.02	0.64519
478470.37	3775190.02	0.66872	478520.37	3775190.02	0.69306
478570.37	3775190.02	0.71810	478620.37	3775190.02	0.74345
478670.37	3775190.02	0.76862	478720.37	3775190.02	0.79345
478770.37	3775190.02	0.81797	478820.37	3775190.02	0.84284

```
        478870.37    3775190.02        0.86602                    478920.37
3775190.02        0.88881
        478970.37    3775190.02        0.90938                    479020.37
3775190.02        0.92878
        479070.37    3775190.02        0.94543                    479120.37
3775190.02        0.95980
        479170.37    3775190.02        0.97145                    479220.37
3775190.02        0.97995
        479270.37    3775190.02        0.98502                    479320.37
3775190.02        0.98706
        479370.37    3775190.02        0.98536                    479420.37
3775190.02        0.98080
        479470.37    3775190.02        0.97306                    479520.37
3775190.02        0.96183
        479570.37    3775190.02        0.94834                    479620.37
3775190.02        0.93178
        479670.37    3775190.02        0.91362                    479720.37
3775190.02        0.81539
        479770.37    3775190.02        0.69506                    479820.37
3775190.02        0.67841
        479870.37    3775190.02        0.63964                    479920.37
3775190.02        0.62288
        479970.37    3775190.02        0.59356                    477970.37
3775240.02        0.44822
        478020.37    3775240.02        0.46415                    478070.37
3775240.02        0.48093
        478120.37    3775240.02        0.49856                    478170.37
3775240.02        0.51641
        478220.37    3775240.02        0.53486                    478270.37
3775240.02        0.55467
        478320.37    3775240.02        0.57434                    478370.37
3775240.02        0.59456
        478420.37    3775240.02        0.61608                    478470.37
3775240.02        0.63727
        478520.37    3775240.02        0.65912                    478570.37
3775240.02        0.68149
        478620.37    3775240.02        0.70360                    478670.37
3775240.02        0.72630
        478720.37    3775240.02        0.74816                    478770.37
3775240.02        0.76965
        478820.37    3775240.02        0.79135                    478870.37
3775240.02        0.81147
        478920.37    3775240.02        0.83117                    478970.37
3775240.02        0.84886
        479020.37    3775240.02        0.86549                    479070.37
3775240.02        0.87969
        479120.37    3775240.02        0.89192                    479170.37
3775240.02        0.90181
        479220.37    3775240.02        0.90900                    479270.37
3775240.02        0.91327
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479320.37	3775240.02	0.91500	479370.37	3775240.02	0.91354
479420.37	3775240.02	0.90968	479470.37	3775240.02	0.90276
479520.37	3775240.02	0.89356	479570.37	3775240.02	0.88193
479620.37	3775240.02	0.86791	479670.37	3775240.02	0.80556
479720.37	3775240.02	0.76183	479770.37	3775240.02	0.65049
479820.37	3775240.02	0.63603	479870.37	3775240.02	0.60069
479920.37	3775240.02	0.58598	479970.37	3775240.02	0.55932
477970.37	3775290.02	0.43394	478020.37	3775290.02	0.44934
478070.37	3775290.02	0.46492	478120.37	3775290.02	0.48123
478170.37	3775290.02	0.49768	478220.37	3775290.02	0.51463
478270.37	3775290.02	0.53278	478320.37	3775290.02	0.55072
478370.37	3775290.02	0.56909	478420.37	3775290.02	0.58860
478470.37	3775290.02	0.60771	478520.37		

3775290.02 0.62734
478570.37 3775290.02 0.64737 478620.37
3775290.02 0.66697
478670.37 3775290.02 0.68723 478720.37
3775290.02 0.70653
478770.37 3775290.02 0.72542 478820.37
3775290.02 0.74424
478870.37 3775290.02 0.76197 478920.37
3775290.02 0.77909
478970.37 3775290.02 0.79438 479020.37
3775290.02 0.80872
479070.37 3775290.02 0.82091 479120.37
3775290.02 0.83139
479170.37 3775290.02 0.83983 479220.37
3775290.02 0.84597
479270.37 3775290.02 0.84959 479320.37
3775290.02 0.85105
479370.37 3775290.02 0.84979 479420.37
3775290.02 0.84650
479470.37 3775290.02 0.84050 479520.37
3775290.02 0.83271
479570.37 3775290.02 0.82241 479620.37
3775290.02 0.81069
479670.37 3775290.02 0.74120 479720.37
3775290.02 0.63675
479770.37 3775290.02 0.61019 479820.37
3775290.02 0.59758
479870.37 3775290.02 0.56525 479920.37
3775290.02 0.55194
479970.37 3775290.02 0.52306 477970.37
3775340.02 0.42061
478020.37 3775340.02 0.43496 478070.37
3775340.02 0.44920
478120.37 3775340.02 0.46450 478170.37
3775340.02 0.47965
478220.37 3775340.02 0.49523 478270.37
3775340.02 0.51179
478320.37 3775340.02 0.52825 478370.37
3775340.02 0.54496
478420.37 3775340.02 0.56266 478470.37
3775340.02 0.57993
478520.37 3775340.02 0.59761 478570.37
3775340.02 0.61557
478620.37 3775340.02 0.63308 478670.37
3775340.02 0.65106
478720.37 3775340.02 0.66821 478770.37
3775340.02 0.68488
478820.37 3775340.02 0.70160 478870.37
3775340.02 0.71694
478920.37 3775340.02 0.73188 478970.37

3775340.02 0.74516
479020.37 3775340.02 0.75760 479070.37
3775340.02 0.76813
479120.37 3775340.02 0.77715 479170.37
3775340.02 0.78441
479220.37 3775340.02 0.78968 479270.37
3775340.02 0.79278
479320.37 3775340.02 0.79402 479370.37
3775340.02 0.79293
479420.37 3775340.02 0.79010 479470.37
3775340.02 0.78493
479520.37 3775340.02 0.77823 479570.37
3775340.02 0.76933
479620.37 3775340.02 0.75921 479670.37
3775340.02 0.69488
479720.37 3775340.02 0.59779 479770.37
3775340.02 0.57364

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- -
479820.37 3775340.02 0.56260 479870.37
3775340.02 0.53291
479920.37 3775340.02 0.52113 479970.37
3775340.02 0.49452
477970.37 3775390.02 0.40765 478020.37
3775390.02 0.42100
478070.37 3775390.02 0.43421 478120.37
3775390.02 0.44836

```
        478170.37    3775390.02        0.46234                    478220.37
3775390.02        0.47666
        478270.37    3775390.02        0.49132                    478320.37
3775390.02        0.50689
        478370.37    3775390.02        0.52212                    478420.37
3775390.02        0.53820
        478470.37    3775390.02        0.55383                    478520.37
3775390.02        0.56959
        478570.37    3775390.02        0.58593                    478620.37
3775390.02        0.60159
        478670.37    3775390.02        0.61761                    478720.37
3775390.02        0.63288
        478770.37    3775390.02        0.64763                    478820.37
3775390.02        0.66239
        478870.37    3775390.02        0.67587                    478920.37
3775390.02        0.68896
        478970.37    3775390.02        0.70056                    479020.37
3775390.02        0.71139
        479070.37    3775390.02        0.72053                    479120.37
3775390.02        0.72836
        479170.37    3775390.02        0.73464                    479220.37
3775390.02        0.73918
        479270.37    3775390.02        0.74184                    479320.37
3775390.02        0.74292
        479370.37    3775390.02        0.74196                    479420.37
3775390.02        0.73951
        479470.37    3775390.02        0.73503                    479520.37
3775390.02        0.72923
        479570.37    3775390.02        0.72170                    479620.37
3775390.02        0.71271
        479670.37    3775390.02        0.64100                    479720.37
3775390.02        0.56244
        479770.37    3775390.02        0.54038                    479820.37
3775390.02        0.52099
        479870.37    3775390.02        0.50334                    479920.37
3775390.02        0.48107
        479970.37    3775390.02        0.46829                    477970.37
3775440.02        0.39504
        478020.37    3775440.02        0.40731                    478070.37
3775440.02        0.41973
        478120.37    3775440.02        0.43231                    478170.37
3775440.02        0.44573
        478220.37    3775440.02        0.45891                    478270.37
3775440.02        0.47235
        478320.37    3775440.02        0.48654                    478370.37
3775440.02        0.50051
        478420.37    3775440.02        0.51456                    478470.37
3775440.02        0.52931
        478520.37    3775440.02        0.54351                    478570.37
3775440.02        0.55827
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         478620.37    3775440.02        0.57232                       478670.37
3775440.02        0.58637
         478720.37    3775440.02        0.60026                       478770.37
3775440.02        0.61335
         478820.37    3775440.02        0.62643                       478870.37
3775440.02        0.63875
         478920.37    3775440.02        0.64984                       478970.37
3775440.02        0.66000
         479020.37    3775440.02        0.66949                       479070.37
3775440.02        0.67746
         479120.37    3775440.02        0.68428                       479170.37
3775440.02        0.68974
         479220.37    3775440.02        0.69369                       479270.37
3775440.02        0.69599
         479320.37    3775440.02        0.69692                       479370.37
3775440.02        0.69608
         479420.37    3775440.02        0.69395                       479470.37
3775440.02        0.69004
         479520.37    3775440.02        0.68499                       479570.37
3775440.02        0.67847
         479620.37    3775440.02        0.67057                       479670.37
3775440.02        0.60294
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                  PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         479720.37    3775440.02        0.52451                       479770.37
3775440.02        0.50986
         479820.37    3775440.02        0.48758                       479870.37
```

3775440.02 0.47377
479920.37 3775440.02 0.45302 479970.37
3775440.02 0.44413
477970.37 3775490.02 0.38283 478020.37
3775490.02 0.39390
478070.37 3775490.02 0.40573 478120.37
3775490.02 0.41741
478170.37 3775490.02 0.42965 478220.37
3775490.02 0.44196
478270.37 3775490.02 0.45430 478320.37
3775490.02 0.46721
478370.37 3775490.02 0.48007 478420.37
3775490.02 0.49287
478470.37 3775490.02 0.50627 478520.37
3775490.02 0.51912
478570.37 3775490.02 0.53244 478620.37
3775490.02 0.54508
478670.37 3775490.02 0.55767 478720.37
3775490.02 0.57009
478770.37 3775490.02 0.58175 478820.37
3775490.02 0.59337
478870.37 3775490.02 0.60428 478920.37
3775490.02 0.61407
478970.37 3775490.02 0.62302 479020.37
3775490.02 0.63136
479070.37 3775490.02 0.63835 479120.37
3775490.02 0.64432
479170.37 3775490.02 0.64910 479220.37
3775490.02 0.65254
479270.37 3775490.02 0.65454 479320.37
3775490.02 0.65535
479370.37 3775490.02 0.65460 479420.37
3775490.02 0.65274
479470.37 3775490.02 0.64932 479520.37
3775490.02 0.64491
479570.37 3775490.02 0.63919 479620.37
3775490.02 0.63225
479670.37 3775490.02 0.56892 479720.37
3775490.02 0.48931
479770.37 3775490.02 0.48195 479820.37
3775490.02 0.45896
479870.37 3775490.02 0.44515 479920.37
3775490.02 0.42979
479970.37 3775490.02 0.42075 477970.37
3775540.02 0.37101
478020.37 3775540.02 0.38131 478070.37
3775540.02 0.39202
478120.37 3775540.02 0.40311 478170.37
3775540.02 0.41416
478220.37 3775540.02 0.42578 478270.37

3775540.02   0.43713
         478320.37   3775540.02   0.44869   478370.37
3775540.02   0.46074
         478420.37   3775540.02   0.47240   478470.37
3775540.02   0.48448
         478520.37   3775540.02   0.49626   478570.37
3775540.02   0.50831
         478620.37   3775540.02   0.51970   478670.37
3775540.02   0.53088
         478720.37   3775540.02   0.54215   478770.37
3775540.02   0.55256
         478820.37   3775540.02   0.56292   478870.37
3775540.02   0.57234
         478920.37   3775540.02   0.58129   478970.37
3775540.02   0.58920
         479020.37   3775540.02   0.59657   479070.37
3775540.02   0.60272
         479120.37   3775540.02   0.60797   479170.37
3775540.02   0.61216
         479220.37   3775540.02   0.61518   479270.37
3775540.02   0.61693
         479320.37   3775540.02   0.61764   479370.37
3775540.02   0.61698
         479420.37   3775540.02   0.61534   479470.37
3775540.02   0.61233
         479520.37   3775540.02   0.60845   479570.37
3775540.02   0.60342

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

- -
- -
479620.37 3775540.02 0.59730 479670.37
3775540.02 0.53785
479720.37 3775540.02 0.46304 479770.37
3775540.02 0.44449
479820.37 3775540.02 0.43516 479870.37
3775540.02 0.41522
479920.37 3775540.02 0.40824 479970.37
3775540.02 0.39129
478861.36 3774619.36 2.14160 478791.49
3774517.73 2.24695
478789.65 3774444.30 2.50846 478748.80
3774449.81 2.27857
479103.48 3774681.38 2.58198 479094.51
3774696.20 2.46435
479077.34 3774696.98 2.41861 479101.53
3774731.70 2.27096
479782.92 3774151.51 8.57899 479890.06
3774169.23 5.97712
479890.06 3774137.17 6.29731 479913.68
3774138.01 5.89381
479911.15 3774168.38 5.65798 479885.84
3774064.62 6.58120
480398.50 3774179.13 3.01457 480448.50
3774179.13 2.84330
480498.50 3774179.13 2.67830 479998.50
3774229.13 4.66584
480048.50 3774229.13 4.28329 480098.50
3774229.13 3.98423
480148.50 3774229.13 3.67908 480198.50
3774229.13 3.42224
480248.50 3774229.13 3.21335 480298.50
3774229.13 3.02159
480348.50 3774229.13 2.84180 480398.50
3774229.13 2.69208
480448.50 3774229.13 2.53579 480498.50
3774229.13 2.41249
479998.50 3774279.13 3.82463 480048.50
3774279.13 3.54415
480098.50 3774279.13 3.30918 480148.50
3774279.13 3.08866
480198.50 3774279.13 2.90596 480248.50
3774279.13 2.73189
480298.50 3774279.13 2.58208 480348.50
3774279.13 2.44631
480398.50 3774279.13 2.32250 480448.50
3774279.13 2.20243
480498.50 3774279.13 2.09666 479998.50
3774329.13 3.09204

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         480048.50    3774329.13        2.88945                        480098.50
3774329.13        2.70664
         480148.50    3774329.13        2.55124                        480198.50
3774329.13        2.40738
         480248.50    3774329.13        2.28174                        480298.50
3774329.13        2.16671
         480348.50    3774329.13        2.06202                        480398.50
3774329.13        1.96617
         480448.50    3774329.13        1.87799                        480498.50
3774329.13        1.79636
         479998.50    3774379.13        2.52633                        480048.50
3774379.13        2.37025
         480098.50    3774379.13        2.22280                        480148.50
3774379.13        2.10939
         480198.50    3774379.13        1.99018                        480248.50
3774379.13        1.89924
         480298.50    3774379.13        1.80891                        480348.50
3774379.13        1.72939
         480398.50    3774379.13        1.65894                        480448.50
3774379.13        1.58765
         480498.50    3774379.13        1.52602                        479998.50
3774429.13        2.12062
         480048.50    3774429.13        1.96912                        480098.50
3774429.13        1.86189
         480148.50    3774429.13        1.75894                        480198.50
3774429.13        1.66737
         480248.50    3774429.13        1.59676                        480298.50
3774429.13        1.52185
         480348.50    3774429.13        1.45829                        480398.50
3774429.13        1.39606
         480448.50    3774429.13        1.34462                        480498.50
3774429.13        1.29671
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:39:05

                                  PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479998.50	3774479.13	1.82342	480048.50	3774479.13	1.69093
480098.50	3774479.13	1.60243	480148.50	3774479.13	1.50605
480198.50	3774479.13	1.42875	480248.50	3774479.13	1.36884
480298.50	3774479.13	1.29570	480348.50	3774479.13	1.24827
480398.50	3774479.13	1.19085	480448.50	3774479.13	1.15135
480498.50	3774479.13	1.10832	479998.50	3774529.13	1.60349
480048.50	3774529.13	1.49632	480098.50	3774529.13	1.41271
480148.50	3774529.13	1.31574	480198.50	3774529.13	1.25508
480248.50	3774529.13	1.19882	480298.50	3774529.13	1.13268
480348.50	3774529.13	1.08986	480398.50	3774529.13	1.03735
480448.50	3774529.13	1.00286	480498.50	3774529.13	0.95926
479998.50	3774579.13	1.43656	480048.50	3774579.13	1.35030
480098.50	3774579.13	1.24756	480148.50	3774579.13	1.18311
480198.50	3774579.13	1.12678	480248.50	3774579.13	1.05654
480298.50	3774579.13	1.01190	480348.50	3774579.13	0.95905
480398.50	3774579.13	0.92192	480448.50	3774579.13	0.88429
480498.50	3774579.13	0.84966	479998.50	3774629.13	1.30816
480048.50	3774629.13	1.23017	480098.50	3774629.13	1.13905
480148.50	3774629.13	1.08044	480198.50	3774629.13	1.01518
480248.50	3774629.13	0.96129	480298.50	3774629.13	0.90718
480348.50	3774629.13	0.86769	480398.50	3774629.13	0.83507
480448.50	3774629.13	0.79269	480498.50		

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3774629.13        0.75975
         479998.50    3774679.13        1.20254                          480048.50
3774679.13        1.12793
         480098.50    3774679.13        1.04928                          480148.50
3774679.13        0.99538
         480198.50    3774679.13        0.92819                          480248.50
3774679.13        0.88466
         480298.50    3774679.13        0.83209                          480348.50
3774679.13        0.79793
         480398.50    3774679.13        0.75510                          480448.50
3774679.13        0.72653
         480498.50    3774679.13        0.69158                          479998.50
3774729.13        1.11057
         480048.50    3774729.13        1.02899                          480098.50
3774729.13        0.97310
         480148.50    3774729.13        0.91211                          480198.50
3774729.13        0.86237
         480248.50    3774729.13        0.80815                          480298.50
3774729.13        0.77323
         480348.50    3774729.13        0.73790                          480398.50
3774729.13        0.70058
         480448.50    3774729.13        0.66803                          480498.50
3774729.13        0.64091
         479998.50    3774779.13        1.02911                          480048.50
3774779.13        0.95169
         480098.50    3774779.13        0.90620                          480148.50
3774779.13        0.85074
         480198.50    3774779.13        0.80021                          480248.50
3774779.13        0.75434
         480298.50    3774779.13        0.72298                          480348.50
3774779.13        0.68122
         480398.50    3774779.13        0.65520                          480448.50
3774779.13        0.62300
         480498.50    3774779.13        0.59907                          479998.50
3774829.13        0.95447
         480048.50    3774829.13        0.88677                          480098.50
3774829.13        0.84652
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
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, L0000011   , L0000012   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480148.50	3774829.13	0.79623	480198.50	3774829.13	0.74999
480248.50	3774829.13	0.70771	480298.50	3774829.13	0.67896
480348.50	3774829.13	0.63995	480398.50	3774829.13	0.61589
480448.50	3774829.13	0.58358	480498.50	3774829.13	0.56074
479998.50	3774879.13	0.87450	480048.50	3774879.13	0.82823
480098.50	3774879.13	0.79271	480148.50	3774879.13	0.74722
480198.50	3774879.13	0.70849	480248.50	3774879.13	0.66663
480298.50	3774879.13	0.63975	480348.50	3774879.13	0.60333
480398.50	3774879.13	0.57355	480448.50	3774879.13	0.55073
480498.50	3774879.13	0.52941	479998.50	3774929.13	0.81601
480048.50	3774929.13	0.77510	480098.50	3774929.13	0.74381
480148.50	3774929.13	0.69645	480198.50	3774929.13	0.66865
480248.50	3774929.13	0.62918	480298.50	3774929.13	0.60442
480348.50	3774929.13	0.57045	480398.50	3774929.13	0.54049
480448.50	3774929.13	0.52132	480498.50	3774929.13	0.49571
479998.50	3774979.13	0.76287	480048.50	3774979.13	0.72665
480098.50	3774979.13	0.69913	480148.50	3774979.13	0.65618
480198.50	3774979.13	0.63125	480248.50	3774979.13	0.59499
480298.50	3774979.13	0.57233	480348.50	3774979.13	0.54069

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         480398.50    3774979.13        0.51261                    480448.50
3774979.13        0.49476
         480498.50    3774979.13        0.47057                    479998.50
3775029.13        0.71446
         480048.50    3775029.13        0.68232                    480098.50
3775029.13        0.65813
         480148.50    3775029.13        0.61918                    480198.50
3775029.13        0.59689
         480248.50    3775029.13        0.56364                    480298.50
3775029.13        0.54297
         480348.50    3775029.13        0.51355                    480398.50
3775029.13        0.48728
         480448.50    3775029.13        0.47062                    480498.50
3775029.13        0.44775
         479998.50    3775079.13        0.67029                    480048.50
3775079.13        0.64166
         480098.50    3775079.13        0.62039                    480148.50
3775079.13        0.58501
         480198.50    3775079.13        0.56515                    480248.50
3775079.13        0.54581
         480298.50    3775079.13        0.51592                    480348.50
3775079.13        0.48865
         480398.50    3775079.13        0.46412                    480448.50
3775079.13        0.44375
         480498.50    3775079.13        0.42491                    479998.50
3775129.13        0.62919
         480048.50    3775129.13        0.60432                    480098.50
3775129.13        0.58558
         480148.50    3775129.13        0.55338                    480198.50
3775129.13        0.53534
         480248.50    3775129.13        0.51719                    480298.50
3775129.13        0.49085
         480348.50    3775129.13        0.46311                    480398.50
3775129.13        0.44242
         480448.50    3775129.13        0.42345                    480498.50
3775129.13        0.40551
         479998.50    3775179.13        0.58659                    480048.50
3775179.13        0.56998
         480098.50    3775179.13        0.54333                    480148.50
3775179.13        0.52401
         480198.50    3775179.13        0.50501                    480248.50
3775179.13        0.48233
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                   PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480298.50	3775179.13	0.46054	480348.50	3775179.13	0.43755
480398.50	3775179.13	0.42268	480448.50	3775179.13	0.39961
480498.50	3775179.13	0.38420	479998.50	3775229.13	0.55306
480048.50	3775229.13	0.53837	480098.50	3775229.13	0.51137
480148.50	3775229.13	0.49673	480198.50	3775229.13	0.48101
480248.50	3775229.13	0.45913	480298.50	3775229.13	0.43703
480348.50	3775229.13	0.41662	480398.50	3775229.13	0.39783
480448.50	3775229.13	0.38184	480498.50	3775229.13	0.36763
479998.50	3775279.13	0.52229	480048.50	3775279.13	0.50925
480098.50	3775279.13	0.48443	480148.50	3775279.13	0.47137
480198.50	3775279.13	0.45592	480248.50	3775279.13	0.43702
480298.50	3775279.13	0.41912	480348.50	3775279.13	0.39618
480398.50	3775279.13	0.38055	480448.50	3775279.13	0.36395
480498.50	3775279.13	0.35160	479998.50	3775329.13	0.49402
480048.50	3775329.13	0.48239	480098.50	3775329.13	0.45948
480148.50	3775329.13	0.44779	480198.50	3775329.13	0.42869
480248.50	3775329.13	0.41645	480298.50		

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3775329.13        0.39345
         480348.50    3775329.13        0.37883                    480398.50
3775329.13        0.36037
         480448.50    3775329.13        0.34921                    480498.50
3775329.13        0.33466
         479998.50    3775379.13        0.46800                    480048.50
3775379.13        0.45399
         480098.50    3775379.13        0.43584                    480148.50
3775379.13        0.42585
         480198.50    3775379.13        0.40572                    480248.50
3775379.13        0.38956
         480298.50    3775379.13        0.37147                    480348.50
3775379.13        0.35747
         480398.50    3775379.13        0.34409                    480448.50
3775379.13        0.33141
         480498.50    3775379.13        0.31912                    479998.50
3775429.13        0.44326
         480048.50    3775429.13        0.42343                    480098.50
3775429.13        0.41444
         480148.50    3775429.13        0.39928                    480198.50
3775429.13        0.38475
         480248.50    3775429.13        0.36495                    480298.50
3775429.13        0.35221
         480348.50    3775429.13        0.33722                    480398.50
3775429.13        0.32506
         480448.50    3775429.13        0.31697                    480498.50
3775429.13        0.30515
         479998.50    3775479.13        0.41479                    480048.50
3775479.13        0.40271
         480098.50    3775479.13        0.39458                    480148.50
3775479.13        0.37766
         480198.50    3775479.13        0.36071                    480248.50
3775479.13        0.34370
         480298.50    3775479.13        0.33015                    480348.50
3775479.13        0.31891
         480398.50    3775479.13        0.30827                    480448.50
3775479.13        0.30087
         480498.50    3775479.13        0.28976                    480254.72
3774120.37        4.03023
         480287.52    3774147.62        3.68978                    480349.09
3774140.55        3.44419
         480381.90    3774044.67        3.55567                    480443.97
3774003.79        3.25794
         480407.64    3774005.81        3.41122                    480390.48
3774008.33        3.48393
         480543.03    3774446.66        1.18573                    480593.03
3774446.66        1.14136
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480643.03	3774446.66	1.10817	480693.03	3774446.66	1.07125
480743.03	3774446.66	1.04112	480793.03	3774446.66	1.00754
480843.03	3774446.66	0.98156	480893.03	3774446.66	0.95444
480943.03	3774446.66	0.92811	480993.03	3774446.66	0.90543
481043.03	3774446.66	0.88120	481093.03	3774446.66	0.85905
481143.03	3774446.66	0.83643	481193.03	3774446.66	0.81512
481243.03	3774446.66	0.79471	481293.03	3774446.66	0.77426
481343.03	3774446.66	0.75419	481393.03	3774446.66	0.73808
481443.03	3774446.66	0.71978	480543.03	3774496.66	1.02118
480593.03	3774496.66	0.98241	480643.03	3774496.66	0.95529
480693.03	3774496.66	0.92315	480743.03	3774496.66	0.89703
480793.03	3774496.66	0.87168	480843.03	3774496.66	0.85149
480893.03	3774496.66	0.82945	480943.03	3774496.66	0.80800
480993.03	3774496.66	0.78650	481043.03	3774496.66	0.76881

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        481093.03    3774496.66        0.75231                    481143.03
3774496.66        0.73312
        481193.03    3774496.66        0.71422                    481243.03
3774496.66        0.69985
        481293.03    3774496.66        0.68286                    481343.03
3774496.66        0.66610
        481393.03    3774496.66        0.64989                    481443.03
3774496.66        0.63824
        481493.03    3774496.66        0.62312                    480543.03
3774546.66        0.88751
        480593.03    3774546.66        0.85804                    480643.03
3774546.66        0.83461
        480693.03    3774546.66        0.80583                    480743.03
3774546.66        0.78319
        480793.03    3774546.66        0.76125                    480843.03
3774546.66        0.74462
        480893.03    3774546.66        0.72238                    480943.03
3774546.66        0.70727
        480993.03    3774546.66        0.68836                    481043.03
3774546.66        0.67480
        481093.03    3774546.66        0.65704                    481143.03
3774546.66        0.64256
        481193.03    3774546.66        0.62891                    481243.03
3774546.66        0.61345
        481293.03    3774546.66        0.59968                    481343.03
3774546.66        0.58881
        481393.03    3774546.66        0.57508                    481443.03
3774546.66        0.56385
        481493.03    3774546.66        0.55315                    481543.03
3774546.66        0.54434
        480543.03    3774596.66        0.78639                    480593.03
3774596.66        0.76249
        480643.03    3774596.66        0.73273                    480693.03
3774596.66        0.71424
        480743.03    3774596.66        0.68922                    480793.03
3774596.66        0.67363
        480843.03    3774596.66        0.65370                    480893.03
3774596.66        0.63874
        480943.03    3774596.66        0.62352                    480993.03
3774596.66        0.60832
        481043.03    3774596.66        0.59376                    481093.03
3774596.66        0.58085
        481143.03    3774596.66        0.56645                    481193.03
3774596.66        0.55505
        481243.03    3774596.66        0.54342                    481293.03
3774596.66        0.53137
        481343.03    3774596.66        0.52082                    481393.03
3774596.66        0.51066
        481443.03    3774596.66        0.50004                    481493.03
3774596.66        0.49184
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480593.03	3774646.66	0.68512	480643.03	3774646.66	0.66094
480693.03	3774646.66	0.64329	480743.03	3774646.66	0.61967
480793.03	3774646.66	0.60431	480843.03	3774646.66	0.58479
480893.03	3774646.66	0.56967	480943.03	3774646.66	0.55493
480993.03	3774646.66	0.54424	481043.03	3774646.66	0.52893
481093.03	3774646.66	0.51466	481143.03	3774646.66	0.50608
481193.03	3774646.66	0.49331	481243.03	3774646.66	0.48519
481293.03	3774646.66	0.47414	481343.03	3774646.66	0.46545
481393.03	3774646.66	0.45625	481443.03	3774646.66	0.44665
481493.03	3774646.66	0.43909	481543.03	3774646.66	0.43144
480543.03	3774696.66	0.65285	480593.03	3774696.66	0.62519
480643.03	3774696.66	0.60525	480693.03		

3774696.66 0.58254
480743.03 3774696.66 0.56554 480793.03 3774696.66 0.55071
480843.03 3774696.66 0.53201 480893.03 3774696.66 0.51531
480943.03 3774696.66 0.50305 480993.03 3774696.66 0.48843
481043.03 3774696.66 0.47660 481093.03 3774696.66 0.46532
481143.03 3774696.66 0.45379 481193.03 3774696.66 0.44539
481243.03 3774696.66 0.43415 481293.03 3774696.66 0.42771
481343.03 3774696.66 0.41760 481393.03 3774696.66 0.40804
481443.03 3774696.66 0.40268 481493.03 3774696.66 0.39394
481543.03 3774696.66 0.38662 480543.03 3774746.66 0.59986
480593.03 3774746.66 0.57879 480643.03 3774746.66 0.55795
480693.03 3774746.66 0.53770 480743.03 3774746.66 0.52184
480793.03 3774746.66 0.50289 480843.03 3774746.66 0.49035
480893.03 3774746.66 0.47324 480943.03 3774746.66 0.46047
480993.03 3774746.66 0.44782 481043.03 3774746.66 0.43407
481093.03 3774746.66 0.42539 481143.03 3774746.66 0.41378
481193.03 3774746.66 0.40407 481243.03 3774746.66 0.39587
481293.03 3774746.66 0.38661 481343.03 3774746.66 0.37873
481393.03 3774746.66 0.37126 481443.03 3774746.66 0.36346
481493.03 3774746.66 0.35681 481543.03 3774746.66 0.35045
480543.03 3774796.66 0.56179 480593.03 3774796.66 0.53853
480643.03 3774796.66 0.51799 480693.03 3774796.66 0.49770
480743.03 3774796.66 0.48222 480793.03 3774796.66 0.46911
480843.03 3774796.66 0.45276 480893.03 3774796.66 0.44037
480943.03 3774796.66 0.42512 480993.03 3774796.66 0.41204
481043.03 3774796.66 0.40223 481093.03

3774796.66 0.38991
 481143.03 3774796.66 0.38242 481193.03
3774796.66 0.37157
 481243.03 3774796.66 0.36471 481293.03
3774796.66 0.35554
 481343.03 3774796.66 0.34654 481393.03
3774796.66 0.34103

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
481443.03	3774796.66	0.33334	481493.03	3774796.66	0.32577
481543.03	3774796.66	0.31857	480543.03	3774846.66	0.52729
480593.03	3774846.66	0.50450	480643.03	3774846.66	0.48708
480693.03	3774846.66	0.46404	480743.03	3774846.66	0.45159
480793.03	3774846.66	0.44115	480843.03	3774846.66	0.42545
480893.03	3774846.66	0.41344	480943.03	3774846.66	0.39841
480993.03	3774846.66	0.38535	481043.03	3774846.66	0.37464
481093.03	3774846.66	0.36416	481143.03	3774846.66	0.35350
481193.03	3774846.66	0.34643	481243.03	3774846.66	0.33656

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         481293.03    3774846.66        0.32895                    481343.03
3774846.66        0.32099
         481393.03    3774846.66        0.31355                    481443.03
3774846.66        0.30629
         481493.03    3774846.66        0.30088                    481543.03
3774846.66        0.29464
         480543.03    3774896.66        0.49851                    480593.03
3774896.66        0.47584
         480643.03    3774896.66        0.45517                    480693.03
3774896.66        0.43749
         480743.03    3774896.66        0.42390                    480793.03
3774896.66        0.41259
         480843.03    3774896.66        0.40192                    480893.03
3774896.66        0.38880
         480943.03    3774896.66        0.37622                    480993.03
3774896.66        0.36348
         481043.03    3774896.66        0.35119                    481093.03
3774896.66        0.34186
         481143.03    3774896.66        0.33253                    481193.03
3774896.66        0.32362
         481243.03    3774896.66        0.31581                    481293.03
3774896.66        0.30714
         481343.03    3774896.66        0.29984                    481393.03
3774896.66        0.29252
         481443.03    3774896.66        0.28547                    481493.03
3774896.66        0.27877
         481543.03    3774896.66        0.27252                    480543.03
3774946.66        0.46720
         480593.03    3774946.66        0.45130                    480643.03
3774946.66        0.43180
         480693.03    3774946.66        0.41516                    480743.03
3774946.66        0.40238
         480793.03    3774946.66        0.39148                    480843.03
3774946.66        0.38106
         480893.03    3774946.66        0.36684                    480943.03
3774946.66        0.35364
         480993.03    3774946.66        0.34213                    481043.03
3774946.66        0.33162
         481093.03    3774946.66        0.32219                    481143.03
3774946.66        0.31258
         481193.03    3774946.66        0.30525                    481243.03
3774946.66        0.29605
         481293.03    3774946.66        0.28807                    481343.03
3774946.66        0.28082
         481393.03    3774946.66        0.27403                    481443.03
3774946.66        0.26707
         481493.03    3774946.66        0.26023                    481543.03
3774946.66        0.25601
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***

INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 , L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774040.02	0.43255	478220.37	3774040.02	0.45400
478270.37	3774040.02	0.47851	478320.37	3774040.02	0.50424
478170.37	3774090.02	0.42612	478220.37	3774090.02	0.44708
478270.37	3774090.02	0.47102	478320.37	3774090.02	0.49614
478170.37	3774140.02	0.41945	478220.37	3774140.02	0.43991
478270.37	3774140.02	0.46318	478320.37	3774140.02	0.48762
478170.37	3774190.02	0.41261	478220.37	3774190.02	0.43280
478270.37	3774190.02	0.45510	478320.37	3774190.02	0.47881
478170.37	3774240.02	0.40568	478220.37	3774240.02	0.42527
478270.37	3774240.02	0.44689	478320.37	3774240.02	0.46984
478370.37	3774240.02	0.49538	478420.37	3774240.02	0.52389
478470.37	3774240.02	0.55460	478520.37		

3774240.02 0.59018
478570.37 3774240.02 0.62853 479170.37
3774240.02 2.48456
479220.37 3774240.02 3.28955 479270.37
3774240.02 4.98129
479320.37 3774240.02 9.67038 479370.37
3774240.02 16.08124
479420.37 3774240.02 19.08139 479470.37
3774240.02 20.54402
479520.37 3774240.02 21.34845 479570.37
3774240.02 21.91288
479620.37 3774240.02 22.14485 479670.37
3774240.02 22.48940
479720.37 3774240.02 22.63907 479770.37
3774240.02 22.65922
479820.37 3774240.02 22.74766 479870.37
3774240.02 22.77712
479920.37 3774240.02 22.60391 479970.37
3774240.02 21.78858
478170.37 3774290.02 0.39870 478220.37
3774290.02 0.41769
478270.37 3774290.02 0.43861 478320.37
3774290.02 0.46079
478370.37 3774290.02 0.48544 478420.37
3774290.02 0.51289
478470.37 3774290.02 0.54241 478520.37
3774290.02 0.57654
478570.37 3774290.02 0.61321 479170.37
3774290.02 2.23778
479220.37 3774290.02 2.82325 479270.37
3774290.02 3.78767
479320.37 3774290.02 5.24880 479370.37
3774290.02 6.84556
479420.37 3774290.02 7.99976 479470.37
3774290.02 8.77962
479520.37 3774290.02 9.34784 479570.37
3774290.02 9.76835
479620.37 3774290.02 10.08074 479670.37
3774290.02 10.33450
479720.37 3774290.02 10.52506 479770.37
3774290.02 10.66514
479820.37 3774290.02 10.77574 479870.37
3774290.02 10.84275
479920.37 3774290.02 10.83234 479970.37
3774290.02 10.73710
478170.37 3774340.02 0.39174 478220.37
3774340.02 0.41012
478270.37 3774340.02 0.43035 478320.37
3774340.02 0.45176
478370.37 3774340.02 0.47551 478420.37

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***
INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 ,
L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 ,
L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 ,
L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479320.37	3774340.02	3.68466	479370.37	3774340.02	4.41134
479420.37	3774340.02	5.02606	479470.37	3774340.02	5.49579
479520.37	3774340.02	5.86607	479570.37	3774340.02	6.15280
479620.37	3774340.02	6.38729	479670.37	3774340.02	6.57860
479720.37	3774340.02	6.72956	479770.37	3774340.02	6.85789
479820.37	3774340.02	6.95466	479870.37	3774340.02	7.02090
479920.37	3774340.02	7.04889	479970.37	3774340.02	7.05707

```
        478170.37    3774390.02        0.38481                    478220.37
3774390.02        0.40260
        478270.37    3774390.02        0.42214                    478320.37
3774390.02        0.44278
        478370.37    3774390.02        0.46630                    478420.37
3774390.02        0.49102
        478470.37    3774390.02        0.51896                    478520.37
3774390.02        0.54940
        478570.37    3774390.02        0.58277                    479170.37
3774390.02        1.79769
        479220.37    3774390.02        2.09834                    479270.37
3774390.02        2.46100
        479320.37    3774390.02        2.86878                    479370.37
3774390.02        3.29082
        479420.37    3774390.02        3.66869                    479470.37
3774390.02        3.99039
        479520.37    3774390.02        4.24992                    479570.37
3774390.02        4.46178
        479620.37    3774390.02        4.63711                    479670.37
3774390.02        4.78134
        479720.37    3774390.02        4.90202                    479770.37
3774390.02        5.00322
        479820.37    3774390.02        5.08289                    479870.37
3774390.02        5.14102
        479920.37    3774390.02        5.18178                    479970.37
3774390.02        5.19931
        478170.37    3774440.02        0.37795                    478220.37
3774440.02        0.39521
        478270.37    3774440.02        0.41401                    478320.37
3774440.02        0.43391
        478370.37    3774440.02        0.45653                    478420.37
3774440.02        0.48025
        478470.37    3774440.02        0.50701                    478520.37
3774440.02        0.53608
        478570.37    3774440.02        0.56785                    478620.37
3774440.02        0.60418
        478670.37    3774440.02        0.64418                    478720.37
3774440.02        0.68874
        478770.37    3774440.02        0.73918                    478820.37
3774440.02        0.79886
        479320.37    3774440.02        2.35957                    479370.37
3774440.02        2.63730
        479420.37    3774440.02        2.89330                    479470.37
3774440.02        3.12366
        479520.37    3774440.02        3.31791                    479570.37
3774440.02        3.48245
        479620.37    3774440.02        3.62088                    479670.37
3774440.02        3.73656
        479720.37    3774440.02        3.83368                    479770.37
3774440.02        3.91512
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         479820.37    3774440.02        3.98052                      479870.37
3774440.02        4.03242
         479920.37    3774440.02        4.05634                      479970.37
3774440.02        4.08572
         478170.37    3774490.02        0.37117                      478220.37
3774490.02        0.38828
         478270.37    3774490.02        0.40598                      478320.37
3774490.02        0.42515
         478370.37    3774490.02        0.44689                      478420.37
3774490.02        0.46964
         478470.37    3774490.02        0.49524                      478520.37
3774490.02        0.52297
         478570.37    3774490.02        0.55320                      478620.37
3774490.02        0.58794
         478670.37    3774490.02        0.62529                      478720.37
3774490.02        0.66707
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                   INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                  L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                  L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                  L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         478749.26    3774487.73        0.69459                      478820.37
3774490.02        0.76922
         479370.37    3774490.02        2.20549                      479420.37
3774490.02        2.39145
         479470.37    3774490.02        2.56244                      479520.37
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3774490.02 2.71222
479570.37 3774490.02 2.84426 479620.37
3774490.02 2.95606
479670.37 3774490.02 3.05162 479720.37
3774490.02 3.13265
479770.37 3774490.02 3.20054 479820.37
3774490.02 3.25635
479870.37 3774490.02 3.28853 479920.37
3774490.02 3.31958
479970.37 3774490.02 3.34836 478170.37
3774540.02 0.36468
478220.37 3774540.02 0.38099 478270.37
3774540.02 0.39806
478320.37 3774540.02 0.41650 478370.37
3774540.02 0.43739
478420.37 3774540.02 0.45918 478470.37
3774540.02 0.48364
478520.37 3774540.02 0.51006 478570.37
3774540.02 0.53875
478620.37 3774540.02 0.57160 478670.37
3774540.02 0.60673
478720.37 3774540.02 0.64580 478764.86
3774550.58 0.68001
478807.52 3774552.41 0.72026 479370.37
3774540.02 1.89683
479420.37 3774540.02 2.03749 479470.37
3774540.02 2.16952
479520.37 3774540.02 2.28777 479570.37
3774540.02 2.39495
479620.37 3774540.02 2.48722 479670.37
3774540.02 2.56790
479720.37 3774540.02 2.63666 479770.37
3774540.02 2.69506
479820.37 3774540.02 2.74388 479870.37
3774540.02 2.77051
479920.37 3774540.02 2.79848 479970.37
3774540.02 2.82545
478170.37 3774590.02 0.35831 478220.37
3774590.02 0.37380
478270.37 3774590.02 0.39025 478320.37
3774590.02 0.40852
478370.37 3774590.02 0.42801 478420.37
3774590.02 0.44889
478470.37 3774590.02 0.47252 478520.37
3774590.02 0.49734
478570.37 3774590.02 0.52559 478620.37
3774590.02 0.55552
478670.37 3774590.02 0.58849 478720.37
3774590.02 0.62510
478776.33 3774602.87 0.66569 478804.31

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3774604.25        0.68946
         479370.37    3774590.02        1.66405                        479420.37
3774590.02        1.77551
         479470.37    3774590.02        1.87887                        479520.37
3774590.02        1.97433
         479570.37    3774590.02        2.06231                        479620.37
3774590.02        2.13933
         479670.37    3774590.02        2.20809                        479720.37
3774590.02        2.26718
         479770.37    3774590.02        2.31822                        479820.37
3774590.02        2.36139
         479870.37    3774590.02        2.38433                        479920.37
3774590.02        2.40987
         479970.37    3774590.02        2.41968                        478170.37
3774640.02        0.35192
         478220.37    3774640.02        0.36670                        478270.37
3774640.02        0.38253
         478320.37    3774640.02        0.40009                        478370.37
3774640.02        0.41876
         478420.37    3774640.02        0.43872                        478470.37
3774640.02        0.46123
         478520.37    3774640.02        0.48480                        478570.37
3774640.02        0.51153
         478620.37    3774640.02        0.53970                        478670.37
3774640.02        0.57090
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                   INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                  L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                  L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                  L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478720.37	3774640.02	0.60576	478770.37	3774640.02	0.64322
478820.37	3774640.02	0.68506	478870.37	3774640.02	0.73179
479370.37	3774640.02	1.48157	479420.37	3774640.02	1.57123
479470.37	3774640.02	1.65493	479520.37	3774640.02	1.73421
479570.37	3774640.02	1.80647	479620.37	3774640.02	1.87219
479670.37	3774640.02	1.93036	479720.37	3774640.02	1.98171
479770.37	3774640.02	2.02655	479820.37	3774640.02	2.06487
479870.37	3774640.02	2.07944	479920.37	3774640.02	2.10842
479970.37	3774640.02	2.11760	478170.37	3774690.02	0.34548
478220.37	3774690.02	0.35968	478270.37	3774690.02	0.37491
478320.37	3774690.02	0.39186	478370.37	3774690.02	0.40962
478420.37	3774690.02	0.42867	478470.37	3774690.02	0.45010
478520.37	3774690.02	0.47244	478570.37	3774690.02	0.49767
478620.37	3774690.02	0.52413	478670.37	3774690.02	0.55407
478720.37	3774690.02	0.58565	478770.37	3774690.02	0.62016
478820.37	3774690.02	0.65927	478868.71	3774700.63	0.69288
478861.34	3774671.12	0.70423	479026.61	3774722.40	0.82702
479059.05	3774696.65	0.88982	479113.74	3774695.09	0.95863
479370.37	3774690.02	1.33544	479420.37	3774690.02	1.40789
479470.37	3774690.02	1.47693	479520.37	3774690.02	1.54335
479570.37	3774690.02	1.60395	479620.37	3774690.02	1.65990
479670.37	3774690.02	1.70986	479720.37	3774690.02	1.75477
479770.37	3774690.02	1.79423	479820.37	3774690.02	1.81296

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         479870.37    3774690.02        1.84117                        479920.37
3774690.02        1.85750
         479970.37    3774690.02        1.87356                        478170.37
3774740.02        0.33907
         478220.37    3774740.02        0.35274                        478270.37
3774740.02        0.36737
         478320.37    3774740.02        0.38373                        478370.37
3774740.02        0.40059
         478420.37    3774740.02        0.41884                        478470.37
3774740.02        0.43910
         478520.37    3774740.02        0.46024                        478570.37
3774740.02        0.48402
         478620.37    3774740.02        0.50883                        478670.37
3774740.02        0.53676
         478720.37    3774740.02        0.56601                        478770.37
3774740.02        0.59856
         478820.37    3774740.02        0.63353                        478862.96
3774730.27        0.67159
         479020.37    3774740.02        0.80418                        479070.37
3774740.02        0.85639
         479120.37    3774740.02        0.91022                        479370.37
3774740.02        1.21408
         479420.37    3774740.02        1.27407                        479470.37
3774740.02        1.33203
         479520.37    3774740.02        1.38795                        479570.37
3774740.02        1.43964
         479620.37    3774740.02        1.48755                        479670.37
3774740.02        1.53078
         479720.37    3774740.02        1.57030                        479770.37
3774740.02        1.59706
         479820.37    3774740.02        1.61862                        479870.37
3774740.02        1.64679
         479920.37    3774740.02        1.66151                        479970.37
3774740.02        1.67576
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                   INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                  L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                  L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
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L0002540 , L0002541 , L0002542 , L0002543 , L0002544
, L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774790.02	0.33272	478220.37	3774790.02	0.34586
478270.37	3774790.02	0.35990	478320.37	3774790.02	0.37557
478370.37	3774790.02	0.39166	478420.37	3774790.02	0.40967
478470.37	3774790.02	0.42825	478520.37	3774790.02	0.44846
478570.37	3774790.02	0.47060	478620.37	3774790.02	0.49382
478670.37	3774790.02	0.51983	478720.37	3774790.02	0.54690
478770.37	3774790.02	0.57707	478820.37	3774790.02	0.60906
478870.37	3774790.02	0.64377	478920.37	3774790.02	0.68029
478970.37	3774790.02	0.71938	479020.37	3774790.02	0.76216
479070.37	3774790.02	0.80669	479120.37	3774790.02	0.85327
479370.37	3774790.02	1.11159	479420.37	3774790.02	1.16228
479470.37	3774790.02	1.21237	479520.37	3774790.02	1.25916
479570.37	3774790.02	1.30389	479620.37	3774790.02	1.34498
479670.37	3774790.02	1.38263	479720.37	3774790.02	1.41745
479770.37	3774790.02	1.44092	479820.37	3774790.02	1.46004
479870.37	3774790.02	1.48537	479920.37	3774790.02	1.49239
479970.37	3774790.02	1.51176	477970.37	3774840.02	0.28201
478020.37	3774840.02	0.29238	478070.37	3774840.02	0.30306
478120.37	3774840.02	0.31456	478170.37		

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3774840.02        0.32643
         478220.37    3774840.02        0.33906                        478270.37
3774840.02        0.35311
         478320.37    3774840.02        0.36749                        478370.37
3774840.02        0.38284
         478420.37    3774840.02        0.39995                        478470.37
3774840.02        0.41755
         478520.37    3774840.02        0.43667                        478570.37
3774840.02        0.45742
         478620.37    3774840.02        0.47971                        478670.37
3774840.02        0.50331
         478720.37    3774840.02        0.52835                        478770.37
3774840.02        0.55614
         478820.37    3774840.02        0.58527                        478870.37
3774840.02        0.61672
         478920.37    3774840.02        0.64955                        478970.37
3774840.02        0.68442
         479020.37    3774840.02        0.72256                        479070.37
3774840.02        0.76145
         479120.37    3774840.02        0.80255                        479170.37
3774840.02        0.84561
         479220.37    3774840.02        0.88895                        479270.37
3774840.02        0.93439
         479320.37    3774840.02        0.97880                        479370.37
3774840.02        1.02407
         479420.37    3774840.02        1.06777                        479470.37
3774840.02        1.11040
         479520.37    3774840.02        1.15092                        479570.37
3774840.02        1.18949
         479620.37    3774840.02        1.22516                        479670.37
3774840.02        1.25854
         479720.37    3774840.02        1.28893                        479770.37
3774840.02        1.30957
         479820.37    3774840.02        1.32655                        479870.37
3774840.02        1.34935
         479920.37    3774840.02        1.35492                        479970.37
3774840.02        1.37330
         477970.37    3774890.02        0.27781                        478020.37
3774890.02        0.28740
         478070.37    3774890.02        0.29771                        478120.37
3774890.02        0.30879
         478170.37    3774890.02        0.32020                        478220.37
3774890.02        0.33232
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***

INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 , L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478270.37	3774890.02	0.34578	478320.37	3774890.02	0.35950
478370.37	3774890.02	0.37411	478420.37	3774890.02	0.39036
478470.37	3774890.02	0.40700	478520.37	3774890.02	0.42502
478570.37	3774890.02	0.44449	478620.37	3774890.02	0.46531
478670.37	3774890.02	0.48724	478720.37	3774890.02	0.51037
478770.37	3774890.02	0.53592	478820.37	3774890.02	0.56252
478870.37	3774890.02	0.59106	478920.37	3774890.02	0.62065
478970.37	3774890.02	0.65186	479020.37	3774890.02	0.68580
479070.37	3774890.02	0.72015	479120.37	3774890.02	0.75624
479170.37	3774890.02	0.79386	479220.37	3774890.02	0.83152
479270.37	3774890.02	0.87091	479320.37	3774890.02	0.90926
479370.37	3774890.02	0.94839	479420.37	3774890.02	0.98614
479470.37	3774890.02	1.02305	479520.37	3774890.02	1.05847
479570.37	3774890.02	1.09187	479620.37	3774890.02	1.12309

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        479670.37    3774890.02        1.15252                    479720.37
3774890.02        1.17945
        479770.37    3774890.02        1.19767                    479820.37
3774890.02        1.21276
        479870.37    3774890.02        1.23330                    479920.37
3774890.02        1.23821
        479970.37    3774890.02        1.25497                    477970.37
3774940.02        0.27320
        478020.37    3774940.02        0.28246                    478070.37
3774940.02        0.29240
        478120.37    3774940.02        0.30306                    478170.37
3774940.02        0.31403
        478220.37    3774940.02        0.32564                    478270.37
3774940.02        0.33851
        478320.37    3774940.02        0.35160                    478370.37
3774940.02        0.36550
        478420.37    3774940.02        0.38091                    478470.37
3774940.02        0.39662
        478520.37    3774940.02        0.41358                    478570.37
3774940.02        0.43183
        478620.37    3774940.02        0.45127                    478670.37
3774940.02        0.47164
        478720.37    3774940.02        0.49299                    478770.37
3774940.02        0.51628
        478820.37    3774940.02        0.54056                    478870.37
3774940.02        0.56677
        478920.37    3774940.02        0.59349                    478970.37
3774940.02        0.62152
        479020.37    3774940.02        0.65186                    479070.37
3774940.02        0.68235
        479120.37    3774940.02        0.71424                    479170.37
3774940.02        0.74733
        479220.37    3774940.02        0.78030                    479270.37
3774940.02        0.81473
        479320.37    3774940.02        0.84815                    479370.37
3774940.02        0.88225
        479420.37    3774940.02        0.91513                    479470.37
3774940.02        0.94735
        479520.37    3774940.02        0.97834                    479570.37
3774940.02        1.00765
        479620.37    3774940.02        1.03513                    479670.37
3774940.02        1.06120
        479720.37    3774940.02        1.08515                    479770.37
3774940.02        1.09444
        479820.37    3774940.02        1.11470                    479870.37
3774940.02        1.13322
        479920.37    3774940.02        1.13752                    479970.37
3774940.02        1.15280
        477970.37    3774990.02        0.26862                    478020.37
3774990.02        0.27756
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***
INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 , L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774990.02	0.30791	478220.37	3774990.02	0.31903
478270.37	3774990.02	0.33133	478320.37	3774990.02	0.34380
478370.37	3774990.02	0.35700	478420.37	3774990.02	0.37160
478470.37	3774990.02	0.38643	478520.37	3774990.02	0.40237
478570.37	3774990.02	0.41947	478620.37	3774990.02	0.43760
478670.37	3774990.02	0.45652	478720.37	3774990.02	0.47625
478770.37	3774990.02	0.49763	478820.37	3774990.02	0.51985
478870.37	3774990.02	0.54340	478920.37	3774990.02	0.56798
478970.37	3774990.02	0.59323	479020.37	3774990.02	0.62046
479070.37	3774990.02	0.64765	479120.37		

3774990.02 0.67599
479170.37 3774990.02 0.70528 479220.37
3774990.02 0.73434
479270.37 3774990.02 0.76465 479320.37
3774990.02 0.79398
479370.37 3774990.02 0.82393 479420.37
3774990.02 0.85278
479470.37 3774990.02 0.88110 479520.37
3774990.02 0.90839
479570.37 3774990.02 0.93425 479620.37
3774990.02 0.95856
479670.37 3774990.02 0.98175 479720.37
3774990.02 1.00314
479770.37 3774990.02 1.01291 479820.37
3774990.02 1.02940
479870.37 3774990.02 1.04613 479920.37
3774990.02 1.04986
479970.37 3774990.02 1.06377 477970.37
3775040.02 0.26408
478020.37 3775040.02 0.27269 478070.37
3775040.02 0.28191
478120.37 3775040.02 0.29177 478170.37
3775040.02 0.30185
478220.37 3775040.02 0.31249 478270.37
3775040.02 0.32423
478320.37 3775040.02 0.33610 478370.37
3775040.02 0.34862
478420.37 3775040.02 0.36244 478470.37
3775040.02 0.37642
478520.37 3775040.02 0.39141 478570.37
3775040.02 0.40742
478620.37 3775040.02 0.42433 478670.37
3775040.02 0.44190
478720.37 3775040.02 0.46014 478770.37
3775040.02 0.47983
478820.37 3775040.02 0.50020 478870.37
3775040.02 0.52205
478920.37 3775040.02 0.54402 478970.37
3775040.02 0.56684
479020.37 3775040.02 0.59136 479070.37
3775040.02 0.61573
479120.37 3775040.02 0.64102 479170.37
3775040.02 0.66709
479220.37 3775040.02 0.69286 479270.37
3775040.02 0.71971
479320.37 3775040.02 0.74562 479370.37
3775040.02 0.77209
479420.37 3775040.02 0.79757 479470.37
3775040.02 0.82261
479520.37 3775040.02 0.84635 479570.37

3775040.02   0.86968
         479620.37   3775040.02   0.89133   479670.37
3775040.02   0.91200
         479720.37   3775040.02   0.93120   479770.37
3775040.02   0.94263
         479820.37   3775040.02   0.95458   479870.37
3775040.02   0.96971
         479920.37   3775040.02   0.97291   479970.37
3775040.02   0.98559
         477970.37   3775090.02   0.25957   478020.37
3775090.02   0.26787

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
                  L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
                  L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
                  L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         478070.37   3775090.02   0.27674   478120.37
3775090.02   0.28620
         478170.37   3775090.02   0.29586   478220.37
3775090.02   0.30602
         478270.37   3775090.02   0.31722   478320.37
3775090.02   0.32850
         478370.37   3775090.02   0.34038   478420.37
3775090.02   0.35345
         478470.37   3775090.02   0.36662   478520.37
3775090.02   0.38070

```
         478570.37    3775090.02        0.39569                    478620.37
3775090.02        0.41147
         478670.37    3775090.02        0.42779                    478720.37
3775090.02        0.44467
         478770.37    3775090.02        0.46242                    478820.37
3775090.02        0.48152
         478870.37    3775090.02        0.50150                    478920.37
3775090.02        0.52150
         478970.37    3775090.02        0.54219                    479020.37
3775090.02        0.56435
         479070.37    3775090.02        0.58626                    479120.37
3775090.02        0.60895
         479170.37    3775090.02        0.63226                    479220.37
3775090.02        0.65524
         479270.37    3775090.02        0.67915                    479320.37
3775090.02        0.70217
         479370.37    3775090.02        0.72570                    479420.37
3775090.02        0.74813
         479470.37    3775090.02        0.77059                    479520.37
3775090.02        0.79170
         479570.37    3775090.02        0.81218                    479620.37
3775090.02        0.83185
         479670.37    3775090.02        0.85005                    479720.37
3775090.02        0.86762
         479770.37    3775090.02        0.87345                    479820.37
3775090.02        0.88847
         479870.37    3775090.02        0.89597                    479920.37
3775090.02        0.90490
         479970.37    3775090.02        0.91646                    477970.37
3775140.02        0.25510
         478020.37    3775140.02        0.26308                    478070.37
3775140.02        0.27160
         478120.37    3775140.02        0.28068                    478170.37
3775140.02        0.28992
         478220.37    3775140.02        0.29963                    478270.37
3775140.02        0.31030
         478320.37    3775140.02        0.32102                    478370.37
3775140.02        0.33227
         478420.37    3775140.02        0.34463                    478470.37
3775140.02        0.35704
         478520.37    3775140.02        0.37026                    478570.37
3775140.02        0.38429
         478620.37    3775140.02        0.39901                    478670.37
3775140.02        0.41419
         478720.37    3775140.02        0.42982                    478770.37
3775140.02        0.44610
         478820.37    3775140.02        0.46376                    478870.37
3775140.02        0.48177
         478920.37    3775140.02        0.50032                    478970.37
3775140.02        0.51913
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         479020.37    3775140.02        0.53922                      479070.37
3775140.02        0.55901
         479120.37    3775140.02        0.57943                      479170.37
3775140.02        0.60038
         479220.37    3775140.02        0.62096                      479270.37
3775140.02        0.64236
         479320.37    3775140.02        0.66292                      479370.37
3775140.02        0.68394
         479420.37    3775140.02        0.70390                      479470.37
3775140.02        0.72374
         479520.37    3775140.02        0.74288                      479570.37
3775140.02        0.76111
         479620.37    3775140.02        0.77886                      479670.37
3775140.02        0.79520
         479720.37    3775140.02        0.81105                      479770.37
3775140.02        0.81610
         479820.37    3775140.02        0.82968                      479870.37
3775140.02        0.83515
         479920.37    3775140.02        0.84441                      479970.37
3775140.02        0.84657
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                   INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                   L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                   L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                   L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         477970.37    3775190.02        0.25066                      478020.37
```

3775190.02 0.25834
478070.37 3775190.02 0.26652 478120.37
3775190.02 0.27522
478170.37 3775190.02 0.28406 478220.37
3775190.02 0.29332
478270.37 3775190.02 0.30348 478320.37
3775190.02 0.31366
478370.37 3775190.02 0.32431 478420.37
3775190.02 0.33599
478470.37 3775190.02 0.34768 478520.37
3775190.02 0.36009
478570.37 3775190.02 0.37324 478620.37
3775190.02 0.38698
478670.37 3775190.02 0.40109 478720.37
3775190.02 0.41557
478770.37 3775190.02 0.43061 478820.37
3775190.02 0.44689
478870.37 3775190.02 0.46305 478920.37
3775190.02 0.48039
478970.37 3775190.02 0.49753 479020.37
3775190.02 0.51580
479070.37 3775190.02 0.53373 479120.37
3775190.02 0.55219
479170.37 3775190.02 0.57108 479220.37
3775190.02 0.58959
479270.37 3775190.02 0.60884 479320.37
3775190.02 0.62727
479370.37 3775190.02 0.64615 479420.37
3775190.02 0.66403
479470.37 3775190.02 0.68148 479520.37
3775190.02 0.69901
479570.37 3775190.02 0.71527 479620.37
3775190.02 0.73136
479670.37 3775190.02 0.74609 479720.37
3775190.02 0.76043
479770.37 3775190.02 0.76478 479820.37
3775190.02 0.77709
479870.37 3775190.02 0.77964 479920.37
3775190.02 0.79030
479970.37 3775190.02 0.78995 477970.37
3775240.02 0.24625
478020.37 3775240.02 0.25364 478070.37
3775240.02 0.26149
478120.37 3775240.02 0.26982 478170.37
3775240.02 0.27827
478220.37 3775240.02 0.28710 478270.37
3775240.02 0.29677
478320.37 3775240.02 0.30643 478370.37
3775240.02 0.31651
478420.37 3775240.02 0.32754 478470.37

3775240.02   0.33855
         478520.37   3775240.02   0.35021   478570.37
3775240.02   0.36252
         478620.37   3775240.02   0.37505   478670.37
3775240.02   0.38849
         478720.37   3775240.02   0.40193   478770.37
3775240.02   0.41584
         478820.37   3775240.02   0.43086   478870.37
3775240.02   0.44571
         478920.37   3775240.02   0.46162   478970.37
3775240.02   0.47728
         479020.37   3775240.02   0.49395   479070.37
3775240.02   0.51023
         479120.37   3775240.02   0.52697   479170.37
3775240.02   0.54407
         479220.37   3775240.02   0.56079   479270.37
3775240.02   0.57816
         479320.37   3775240.02   0.59477   479370.37
3775240.02   0.61177
         479420.37   3775240.02   0.62787   479470.37
3775240.02   0.64404
         479520.37   3775240.02   0.65937   479570.37
3775240.02   0.67418
         479620.37   3775240.02   0.68857   479670.37
3775240.02   0.70213
         479720.37   3775240.02   0.71488   479770.37
3775240.02   0.71863
         479820.37   3775240.02   0.72981   479870.37
3775240.02   0.73194

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
                  L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
                  L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
                  L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479920.37	3775240.02	0.74164	479970.37	3775240.02	0.74114
477970.37	3775290.02	0.24155	478020.37	3775290.02	0.24898
478070.37	3775290.02	0.25651	478120.37	3775290.02	0.26449
478170.37	3775290.02	0.27255	478220.37	3775290.02	0.28097
478270.37	3775290.02	0.29017	478320.37	3775290.02	0.29933
478370.37	3775290.02	0.30888	478420.37	3775290.02	0.31929
478470.37	3775290.02	0.32966	478520.37	3775290.02	0.34061
478570.37	3775290.02	0.35214	478620.37	3775290.02	0.36377
478670.37	3775290.02	0.37637	478720.37	3775290.02	0.38886
478770.37	3775290.02	0.40174	478820.37	3775290.02	0.41544
478870.37	3775290.02	0.42930	478920.37	3775290.02	0.44392
478970.37	3775290.02	0.45826	479020.37	3775290.02	0.47350
479070.37	3775290.02	0.48835	479120.37	3775290.02	0.50357
479170.37	3775290.02	0.51911	479220.37	3775290.02	0.53425
479270.37	3775290.02	0.54999	479320.37	3775290.02	0.56500
479370.37	3775290.02	0.58038	479420.37	3775290.02	0.59492
479470.37	3775290.02	0.60963	479520.37	3775290.02	0.62339
479570.37	3775290.02	0.63712	479620.37	3775290.02	0.64982
479670.37	3775290.02	0.66217	479720.37	3775290.02	0.66830
479770.37	3775290.02	0.67691	479820.37	3775290.02	0.68708
479870.37	3775290.02	0.68885	479920.37	3775290.02	0.69151

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         479970.37    3775290.02        0.69527                        477970.37
3775340.02        0.23723
         478020.37    3775340.02        0.24438                        478070.37
3775340.02        0.25146
         478120.37    3775340.02        0.25922                        478170.37
3775340.02        0.26692
         478220.37    3775340.02        0.27493                        478270.37
3775340.02        0.28364
         478320.37    3775340.02        0.29238                        478370.37
3775340.02        0.30140
         478420.37    3775340.02        0.31125                        478470.37
3775340.02        0.32100
         478520.37    3775340.02        0.33129                        478570.37
3775340.02        0.34211
         478620.37    3775340.02        0.35298                        478670.37
3775340.02        0.36469
         478720.37    3775340.02        0.37634                        478770.37
3775340.02        0.38829
         478820.37    3775340.02        0.40114                        478870.37
3775340.02        0.41376
         478920.37    3775340.02        0.42722                        478970.37
3775340.02        0.44038
         479020.37    3775340.02        0.45435                        479070.37
3775340.02        0.46792
         479120.37    3775340.02        0.48181                        479170.37
3775340.02        0.49596
         479220.37    3775340.02        0.50972                        479270.37
3775340.02        0.52403
         479320.37    3775340.02        0.53764                        479370.37
3775340.02        0.55160
         479420.37    3775340.02        0.56477                        479470.37
3775340.02        0.57812
         479520.37    3775340.02        0.59059                        479570.37
3775340.02        0.60305
         479620.37    3775340.02        0.61458                        479670.37
3775340.02        0.62581
         479720.37    3775340.02        0.63126                        479770.37
3775340.02        0.63905
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
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                 L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                 L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                 L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         479820.37    3775340.02        0.64832                       479870.37
3775340.02        0.64975
         479920.37    3775340.02        0.65206                       479970.37
3775340.02        0.65540
         477970.37    3775390.02        0.23297                       478020.37
3775390.02        0.23982
         478070.37    3775390.02        0.24661                       478120.37
3775390.02        0.25403
         478170.37    3775390.02        0.26137                       478220.37
3775390.02        0.26900
         478270.37    3775390.02        0.27693                       478320.37
3775390.02        0.28556
         478370.37    3775390.02        0.29411                       478420.37
3775390.02        0.30340
         478470.37    3775390.02        0.31259                       478520.37
3775390.02        0.32213
         478570.37    3775390.02        0.33241                       478620.37
3775390.02        0.34258
         478670.37    3775390.02        0.35349                       478720.37
3775390.02        0.36436
         478770.37    3775390.02        0.37545                       478820.37
3775390.02        0.38736
         478870.37    3775390.02        0.39902                       478920.37
3775390.02        0.41145
         478970.37    3775390.02        0.42355                       479020.37
3775390.02        0.43639
         479070.37    3775390.02        0.44881                       479120.37
3775390.02        0.46152
         479170.37    3775390.02        0.47444                       479220.37
3775390.02        0.48699
         479270.37    3775390.02        0.50003                       479320.37
3775390.02        0.51242
         479370.37    3775390.02        0.52512                       479420.37
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3775390.02        0.53709
         479470.37    3775390.02        0.54924                        479520.37
3775390.02        0.56057
         479570.37    3775390.02        0.57171                        479620.37
3775390.02        0.58240
         479670.37    3775390.02        0.59272                        479720.37
3775390.02        0.59749
         479770.37    3775390.02        0.60454                        479820.37
3775390.02        0.60762
         479870.37    3775390.02        0.61415                        479920.37
3775390.02        0.61340
         479970.37    3775390.02        0.61909                        477970.37
3775440.02        0.22874
         478020.37    3775440.02        0.23522                        478070.37
3775440.02        0.24182
         478120.37    3775440.02        0.24856                        478170.37
3775440.02        0.25592
         478220.37    3775440.02        0.26318                        478270.37
3775440.02        0.27071
         478320.37    3775440.02        0.27884                        478370.37
3775440.02        0.28698
         478420.37    3775440.02        0.29535                        478470.37
3775440.02        0.30443
         478520.37    3775440.02        0.31337                        478570.37
3775440.02        0.32305
         478620.37    3775440.02        0.33256                        478670.37
3775440.02        0.34251
         478720.37    3775440.02        0.35288                        478770.37
3775440.02        0.36319
         478820.37    3775440.02        0.37426                        478870.37
3775440.02        0.38554
         478920.37    3775440.02        0.39653                        478970.37
3775440.02        0.40769
         479020.37    3775440.02        0.41950                        479070.37
3775440.02        0.43091
         479120.37    3775440.02        0.44256                        479170.37
3775440.02        0.45440
         479220.37    3775440.02        0.46587                        479270.37
3775440.02        0.47779
         479320.37    3775440.02        0.48909                        479370.37
3775440.02        0.50068
         479420.37    3775440.02        0.51159                        479470.37
3775440.02        0.52267
         479520.37    3775440.02        0.53300                        479570.37
3775440.02        0.54310
         479620.37    3775440.02        0.55292                        479670.37
3775440.02        0.56237
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***

INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 , L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479720.37	3775440.02	0.56568	479770.37	3775440.02	0.56931
479820.37	3775440.02	0.57452	479870.37	3775440.02	0.57609
479920.37	3775440.02	0.57951	479970.37	3775440.02	0.58592
477970.37	3775490.02	0.22457	478020.37	3775490.02	0.23055
478070.37	3775490.02	0.23707	478120.37	3775490.02	0.24353
478170.37	3775490.02	0.25044	478220.37	3775490.02	0.25746
478270.37	3775490.02	0.26461	478320.37	3775490.02	0.27227
478370.37	3775490.02	0.28004	478420.37	3775490.02	0.28794
478470.37	3775490.02	0.29650	478520.37	3775490.02	0.30491
478570.37	3775490.02	0.31400	478620.37	3775490.02	0.32291
478670.37	3775490.02	0.33222	478720.37	3775490.02	0.34190
478770.37	3775490.02	0.35150	478820.37	3775490.02	0.36178

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        478870.37    3775490.02        0.37224                    478920.37
3775490.02        0.38241
        478970.37    3775490.02        0.39271                    479020.37
3775490.02        0.40361
        479070.37    3775490.02        0.41411                    479120.37
3775490.02        0.42482
        479170.37    3775490.02        0.43568                    479220.37
3775490.02        0.44619
        479270.37    3775490.02        0.45712                    479320.37
3775490.02        0.46745
        479370.37    3775490.02        0.47806                    479420.37
3775490.02        0.48803
        479470.37    3775490.02        0.49816                    479520.37
3775490.02        0.50759
        479570.37    3775490.02        0.51683                    479620.37
3775490.02        0.52581
        479670.37    3775490.02        0.53446                    479720.37
3775490.02        0.53644
        479770.37    3775490.02        0.54056                    479820.37
3775490.02        0.54504
        479870.37    3775490.02        0.54528                    479920.37
3775490.02        0.54964
        479970.37    3775490.02        0.55039                    477970.37
3775540.02        0.22045
        478020.37    3775540.02        0.22618                    478070.37
3775540.02        0.23223
        478120.37    3775540.02        0.23859                    478170.37
3775540.02        0.24499
        478220.37    3775540.02        0.25186                    478270.37
3775540.02        0.25865
        478320.37    3775540.02        0.26571                    478370.37
3775540.02        0.27327
        478420.37    3775540.02        0.28073                    478470.37
3775540.02        0.28872
        478520.37    3775540.02        0.29673                    478570.37
3775540.02        0.30528
        478620.37    3775540.02        0.31363                    478670.37
3775540.02        0.32221
        478720.37    3775540.02        0.33138                    478770.37
3775540.02        0.34032
        478820.37    3775540.02        0.34989                    478870.37
3775540.02        0.35927
        478920.37    3775540.02        0.36904                    478970.37
3775540.02        0.37856
        479020.37    3775540.02        0.38864                    479070.37
3775540.02        0.39831
        479120.37    3775540.02        0.40818                    479170.37
3775540.02        0.41817
        479220.37    3775540.02        0.42783                    479270.37
3775540.02        0.43786
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***
INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 ,
L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 ,
L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 ,
L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479620.37	3775540.02	0.50081	479670.37	3775540.02	0.50874
479720.37	3775540.02	0.51041	479770.37	3775540.02	0.51180
479820.37	3775540.02	0.51815	479870.37	3775540.02	0.51631
479920.37	3775540.02	0.51753	479970.37	3775540.02	0.51447
478861.36	3774619.36	0.73604	478791.49	3774517.73	0.72178
478789.65	3774444.30	0.75881	478748.80	3774449.81	0.71198
479103.48	3774681.38	0.96330	479094.51	3774696.20	0.93326
479077.34	3774696.98	0.91143	479101.53		

3774731.70 0.89916
479782.92 3774151.51 18.82088 479890.06
3774169.23 26.25198
479890.06 3774137.17 15.91064 479913.68
3774138.01 16.20028
479911.15 3774168.38 25.92515 479885.84
3774064.62 8.35136
480398.50 3774179.13 38.86999 480448.50
3774179.13 40.73808
480498.50 3774179.13 35.54310 479998.50
3774229.13 26.83017
480048.50 3774229.13 24.69466 480098.50
3774229.13 22.80957
480148.50 3774229.13 21.22000 480198.50
3774229.13 19.83801
480248.50 3774229.13 18.66064 480298.50
3774229.13 17.72357
480348.50 3774229.13 16.86833 480398.50
3774229.13 16.02353
480448.50 3774229.13 15.24208 480498.50
3774229.13 14.58286
479998.50 3774279.13 11.95141 480048.50
3774279.13 11.64512
480098.50 3774279.13 11.34580 480148.50
3774279.13 11.00627
480198.50 3774279.13 10.73188 480248.50
3774279.13 10.40904
480298.50 3774279.13 10.20027 480348.50
3774279.13 9.97933
480398.50 3774279.13 9.71427 480448.50
3774279.13 9.43368
480498.50 3774279.13 9.19304 479998.50
3774329.13 7.60946
480048.50 3774329.13 7.54788 480098.50
3774329.13 7.45602
480148.50 3774329.13 7.34544 480198.50
3774329.13 7.26132
480248.50 3774329.13 7.13915 480298.50
3774329.13 7.06249
480348.50 3774329.13 6.94813 480398.50
3774329.13 6.84927
480448.50 3774329.13 6.73379 480498.50
3774329.13 6.61778
479998.50 3774379.13 5.52136 480048.50
3774379.13 5.50966
480098.50 3774379.13 5.48259 480148.50
3774379.13 5.44422
480198.50 3774379.13 5.40773 480248.50
3774379.13 5.35845
480298.50 3774379.13 5.31089 480348.50

3774379.13   5.25866
         480398.50   3774379.13   5.20037   480448.50
3774379.13   5.14424
         480498.50   3774379.13   5.08547   479998.50
3774429.13   4.29746
         480048.50   3774429.13   4.29499   480098.50
3774429.13   4.29410
         480148.50   3774429.13   4.27589   480198.50
3774429.13   4.26058
         480248.50   3774429.13   4.24180   480298.50
3774429.13   4.20143
         480348.50   3774429.13   4.17530   480398.50
3774429.13   4.13115
         480448.50   3774429.13   4.10415   480498.50
3774429.13   4.07172

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
                   L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
                   L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
                   L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         479998.50   3774479.13   3.48826   480048.50
3774479.13   3.49754
         480098.50   3774479.13   3.50662   480148.50
3774479.13   3.49312
         480198.50   3774479.13   3.48937   480248.50
3774479.13   3.48381

480298.50 3774479.13 3.43910 480348.50
3774479.13 3.43254
480398.50 3774479.13 3.39497 480448.50
3774479.13 3.38231
480498.50 3774479.13 3.35800 479998.50
3774529.13 2.92330
480048.50 3774529.13 2.93799 480098.50
3774529.13 2.93563
480148.50 3774529.13 2.93522 480198.50
3774529.13 2.94043
480248.50 3774529.13 2.92748 480298.50
3774529.13 2.89942
480348.50 3774529.13 2.88259 480398.50
3774529.13 2.86610
480448.50 3774529.13 2.85926 480498.50
3774529.13 2.83473
479998.50 3774579.13 2.50550 480048.50
3774579.13 2.52383
480098.50 3774579.13 2.51281 480148.50
3774579.13 2.52434
480198.50 3774579.13 2.53148 480248.50
3774579.13 2.49477
480298.50 3774579.13 2.49684 480348.50
3774579.13 2.46921
480398.50 3774579.13 2.46701 480448.50
3774579.13 2.45435
480498.50 3774579.13 2.44484 479998.50
3774629.13 2.18629
480048.50 3774629.13 2.18899 480098.50
3774629.13 2.19501
480148.50 3774629.13 2.20701 480198.50
3774629.13 2.17906
480248.50 3774629.13 2.17904 480298.50
3774629.13 2.15505
480348.50 3774629.13 2.15646 480398.50
3774629.13 2.16001
480448.50 3774629.13 2.14187 480498.50
3774629.13 2.12125
479998.50 3774679.13 1.93286 480048.50
3774679.13 1.93483
480098.50 3774679.13 1.94195 480148.50
3774679.13 1.93931
480198.50 3774679.13 1.92008 480248.50
3774679.13 1.91077
480298.50 3774679.13 1.90390 480348.50
3774679.13 1.91065
480398.50 3774679.13 1.89592 480448.50
3774679.13 1.88637
480498.50 3774679.13 1.87379 479998.50
3774729.13 1.72645

```
         480048.50    3774729.13        1.72145                        480098.50
3774729.13        1.73568
         480148.50    3774729.13        1.71309                        480198.50
3774729.13        1.71701
         480248.50    3774729.13        1.69692                        480298.50
3774729.13        1.70351
         480348.50    3774729.13        1.70290                        480398.50
3774729.13        1.69664
         480448.50    3774729.13        1.68053                        480498.50
3774729.13        1.67744
         479998.50    3774779.13        1.55517                        480048.50
3774779.13        1.54988
         480098.50    3774779.13        1.56423                        480148.50
3774779.13        1.54413
         480198.50    3774779.13        1.52894                        480248.50
3774779.13        1.52755
         480298.50    3774779.13        1.53667                        480348.50
3774779.13        1.52520
         480398.50    3774779.13        1.53097                        480448.50
3774779.13        1.51496
         480498.50    3774779.13        1.51385                        479998.50
3774829.13        1.39877
         480048.50    3774829.13        1.40617                        480098.50
3774829.13        1.41955
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                  L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                  L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                  L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
```

Y-COORD (M)   CONC
 -
- -
         480148.50   3774829.13   1.40154   480198.50
3774829.13   1.38820
         480248.50   3774829.13   1.38713   480298.50
3774829.13   1.39560
         480348.50   3774829.13   1.38533   480398.50
3774829.13   1.39076
         480448.50   3774829.13   1.37241   480498.50
3774829.13   1.36328
         479998.50   3774879.13   1.27235   480048.50
3774879.13   1.28352
         480098.50   3774879.13   1.29594   480148.50
3774879.13   1.27967
         480198.50   3774879.13   1.27187   480248.50
3774879.13   1.26917
         480298.50   3774879.13   1.27481   480348.50
3774879.13   1.26551
         480398.50   3774879.13   1.25355   480448.50
3774879.13   1.25389
         480498.50   3774879.13   1.24563   479998.50
3774929.13   1.16749
         480048.50   3774929.13   1.17772   480098.50
3774929.13   1.18921
         480148.50   3774929.13   1.16840   480198.50
3774929.13   1.17791
         480248.50   3774929.13   1.16513   480298.50
3774929.13   1.17029
         480348.50   3774929.13   1.16181   480398.50
3774929.13   1.14745
         480448.50   3774929.13   1.15123   480498.50
3774929.13   1.13450
         479998.50   3774979.13   1.07627   480048.50
3774979.13   1.08563
         480098.50   3774979.13   1.09623   480148.50
3774979.13   1.07717
         480198.50   3774979.13   1.08593   480248.50
3774979.13   1.07429
         480298.50   3774979.13   1.07905   480348.50
3774979.13   1.07127
         480398.50   3774979.13   1.05810   480448.50
3774979.13   1.06155
         480498.50   3774979.13   1.04614   479998.50
3775029.13   0.99628
         480048.50   3775029.13   1.00482   480098.50
3775029.13   1.01458
         480148.50   3775029.13   0.99704   480198.50
3775029.13   1.00510
         480248.50   3775029.13   0.99441   480298.50

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3775029.13        0.99880
         480348.50    3775029.13        0.99160                        480398.50
3775029.13        0.97947
         480448.50    3775029.13        0.98260                        480498.50
3775029.13        0.96836
         479998.50    3775079.13        0.92564                        480048.50
3775079.13        0.93342
         480098.50    3775079.13        0.94240                        480148.50
3775079.13        0.92616
         480198.50    3775079.13        0.93357                        480248.50
3775079.13        0.93967
         480298.50    3775079.13        0.92774                        480348.50
3775079.13        0.92104
         480398.50    3775079.13        0.90980                        480448.50
3775079.13        0.90078
         480498.50    3775079.13        0.89100                        479998.50
3775129.13        0.86272
         480048.50    3775129.13        0.86994                        480098.50
3775129.13        0.87819
         480148.50    3775129.13        0.86309                        480198.50
3775129.13        0.86283
         480248.50    3775129.13        0.86713                        480298.50
3775129.13        0.86443
         480348.50    3775129.13        0.85050                        480398.50
3775129.13        0.84741
         480448.50    3775129.13        0.83905                        480498.50
3775129.13        0.82971
         479998.50    3775179.13        0.80454                        480048.50
3775179.13        0.81319
         480098.50    3775179.13        0.80187                        480148.50
3775179.13        0.80665
         480198.50    3775179.13        0.80370                        480248.50
3775179.13        0.80299
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                   INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                  L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                  L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                  L0002540    , L0002541    , L0002542    , L0002543    , L0002544
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, L0002545   , L0002546   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480298.50	3775179.13	0.79912	480348.50	3775179.13	0.79031
480398.50	3775179.13	0.79182	480448.50	3775179.13	0.77214
480498.50	3775179.13	0.76989	479998.50	3775229.13	0.75428
480048.50	3775229.13	0.76219	480098.50	3775229.13	0.75048
480148.50	3775229.13	0.75591	480198.50	3775229.13	0.75386
480248.50	3775229.13	0.75247	480298.50	3775229.13	0.74737
480348.50	3775229.13	0.73846	480398.50	3775229.13	0.72997
480448.50	3775229.13	0.72246	480498.50	3775229.13	0.71352
479998.50	3775279.13	0.70893	480048.50	3775279.13	0.71617
480098.50	3775279.13	0.70514	480148.50	3775279.13	0.71009
480198.50	3775279.13	0.70741	480248.50	3775279.13	0.70662
480298.50	3775279.13	0.70424	480348.50	3775279.13	0.68711
480398.50	3775279.13	0.68433	480448.50	3775279.13	0.67523
480498.50	3775279.13	0.66755	479998.50	3775329.13	0.66782
480048.50	3775329.13	0.67446	480098.50	3775329.13	0.66403
480148.50	3775329.13	0.66855	480198.50	3775329.13	0.66239
480248.50	3775329.13	0.66513	480298.50	3775329.13	0.65209
480348.50	3775329.13	0.64676	480398.50	3775329.13	0.63455
480448.50	3775329.13	0.63554	480498.50	3775329.13	0.62337

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         479998.50    3775379.13        0.63044                        480048.50
3775379.13        0.62609
         480098.50    3775379.13        0.62561                        480148.50
3775379.13        0.63075
         480198.50    3775379.13        0.62108                        480248.50
3775379.13        0.61955
         480298.50    3775379.13        0.60680                        480348.50
3775379.13        0.60072
         480398.50    3775379.13        0.59718                        480448.50
3775379.13        0.58739
         480498.50    3775379.13        0.57942                        479998.50
3775429.13        0.59092
         480048.50    3775429.13        0.58622                        480098.50
3775429.13        0.59153
         480148.50    3775429.13        0.58711                        480198.50
3775429.13        0.58519
         480248.50    3775429.13        0.57538                        480298.50
3775429.13        0.57041
         480348.50    3775429.13        0.55684                        480398.50
3775429.13        0.55179
         480448.50    3775429.13        0.54983                        480498.50
3775429.13        0.54280
         479998.50    3775479.13        0.55298                        480048.50
3775479.13        0.55545
         480098.50    3775479.13        0.56032                        480148.50
3775479.13        0.55388
         480198.50    3775479.13        0.54599                        480248.50
3775479.13        0.53673
         480298.50    3775479.13        0.52906                        480348.50
3775479.13        0.52064
         480398.50    3775479.13        0.51388                        480448.50
3775479.13        0.51428
         480498.50    3775479.13        0.50347                        480254.72
3774120.37       18.21668
         480287.52    3774147.62       30.62531                        480349.09
3774140.55       29.55624
         480381.90    3774044.67       10.03535                        480443.97
3774003.79        8.01914
         480407.64    3774005.81        7.96512                        480390.48
3774008.33        8.00480
         480543.03    3774446.66        3.76763                        480593.03
3774446.66        3.72304
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                        ***       10:39:05

                                  PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***

INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 , L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480643.03	3774446.66	3.68998	480693.03	3774446.66	3.65510
480743.03	3774446.66	3.62504	480793.03	3774446.66	3.57805
480843.03	3774446.66	3.54839	480893.03	3774446.66	3.49794
480943.03	3774446.66	3.46031	480993.03	3774446.66	3.42473
481043.03	3774446.66	3.37449	481093.03	3774446.66	3.33262
481143.03	3774446.66	3.28239	481193.03	3774446.66	3.22583
481243.03	3774446.66	3.16398	481293.03	3774446.66	3.09932
481343.03	3774446.66	3.01127	481393.03	3774446.66	2.92719
481443.03	3774446.66	2.82672	480543.03	3774496.66	3.14290
480593.03	3774496.66	3.10571	480643.03	3774496.66	3.07936
480693.03	3774496.66	3.05221	480743.03	3774496.66	3.02013
480793.03	3774496.66	2.99572	480843.03	3774496.66	2.97575
480893.03	3774496.66	2.93314	480943.03	3774496.66	2.90343
480993.03	3774496.66	2.85901	481043.03	3774496.66	2.82861
481093.03	3774496.66	2.79210	481143.03		

3774496.66 2.75152
481193.03 3774496.66 2.69038 481243.03
3774496.66 2.64417
481293.03 3774496.66 2.57659 481343.03
3774496.66 2.50519
481393.03 3774496.66 2.41593 481443.03
3774496.66 2.34791
481493.03 3774496.66 2.24001 480543.03
3774546.66 2.66116
480593.03 3774546.66 2.64799 480643.03
3774546.66 2.62693
480693.03 3774546.66 2.60435 480743.03
3774546.66 2.57746
480793.03 3774546.66 2.55766 480843.03
3774546.66 2.54272
480893.03 3774546.66 2.49783 480943.03
3774546.66 2.46885
480993.03 3774546.66 2.43689 481043.03
3774546.66 2.41478
481093.03 3774546.66 2.37362 481143.03
3774546.66 2.32780
481193.03 3774546.66 2.28959 481243.03
3774546.66 2.23313
481293.03 3774546.66 2.17047 481343.03
3774546.66 2.12308
481393.03 3774546.66 2.04448 481443.03
3774546.66 1.96946
481493.03 3774546.66 1.89769 481543.03
3774546.66 1.81528
480543.03 3774596.66 2.30513 480593.03
3774596.66 2.29776
480643.03 3774596.66 2.26615 480693.03
3774596.66 2.26011
480743.03 3774596.66 2.22850 480793.03
3774596.66 2.21942
480843.03 3774596.66 2.18033 480893.03
3774596.66 2.16618
480943.03 3774596.66 2.13466 480993.03
3774596.66 2.11091
481043.03 3774596.66 2.07838 481093.03
3774596.66 2.04353
481143.03 3774596.66 2.00318 481193.03
3774596.66 1.96486
481243.03 3774596.66 1.91716 481293.03
3774596.66 1.86626
481343.03 3774596.66 1.81118 481393.03
3774596.66 1.74879
481443.03 3774596.66 1.68724 481493.03
3774596.66 1.62109
481543.03 3774596.66 1.54913 480543.03

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
                  L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
                  L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
                  L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         480593.03   3774646.66   2.00643   480643.03
3774646.66   1.99342
         480693.03   3774646.66   1.98001   480743.03
3774646.66   1.95973
         480793.03   3774646.66   1.93624   480843.03
3774646.66   1.91362
         480893.03   3774646.66   1.88566   480943.03
3774646.66   1.86634
         480993.03   3774646.66   1.84888   481043.03
3774646.66   1.80900
         481093.03   3774646.66   1.77254   481143.03
3774646.66   1.74754
         481193.03   3774646.66   1.70842   481243.03
3774646.66   1.67225
         481293.03   3774646.66   1.62752   481343.03
3774646.66   1.58016
         481393.03   3774646.66   1.52423   481443.03
3774646.66   1.47003
         481493.03   3774646.66   1.40922   481543.03
3774646.66   1.35497

480543.03 3774696.66 1.80134 480593.03 3774696.66 1.77914
480643.03 3774696.66 1.77346 480693.03 3774696.66 1.74954
480743.03 3774696.66 1.74278 480793.03 3774696.66 1.72134
480843.03 3774696.66 1.70043 480893.03 3774696.66 1.66838
480943.03 3774696.66 1.65205 480993.03 3774696.66 1.62749
481043.03 3774696.66 1.59689 481093.03 3774696.66 1.57005
481143.03 3774696.66 1.53452 481193.03 3774696.66 1.51115
481243.03 3774696.66 1.46160 481293.03 3774696.66 1.43788
481343.03 3774696.66 1.38480 481393.03 3774696.66 1.33008
481443.03 3774696.66 1.29850 481493.03 3774696.66 1.23643
481543.03 3774696.66 1.17746 480543.03 3774746.66 1.59735
480593.03 3774746.66 1.59371 480643.03 3774746.66 1.57809
480693.03 3774746.66 1.56817 480743.03 3774746.66 1.54902
480793.03 3774746.66 1.53127 480843.03 3774746.66 1.52506
480893.03 3774746.66 1.49354 480943.03 3774746.66 1.47468
480993.03 3774746.66 1.45669 481043.03 3774746.66 1.41724
481093.03 3774746.66 1.39750 481143.03 3774746.66 1.36711
481193.03 3774746.66 1.32945 481243.03 3774746.66 1.29456
481293.03 3774746.66 1.26209 481343.03 3774746.66 1.22032
481393.03 3774746.66 1.17637 481443.03 3774746.66 1.13514
481493.03 3774746.66 1.08677 481543.03 3774746.66 1.03867
480543.03 3774796.66 1.44507 480593.03 3774796.66 1.42744
480643.03 3774796.66 1.41991 480693.03 3774796.66 1.39225
480743.03 3774796.66 1.38795 480793.03 3774796.66 1.38422
480843.03 3774796.66 1.35974 480893.03 3774796.66 1.34920

```
         480943.03    3774796.66        1.32423                       480993.03
3774796.66        1.29266
         481043.03    3774796.66        1.27293                       481093.03
3774796.66        1.24523
         481143.03    3774796.66        1.22500                       481193.03
3774796.66        1.19161
         481243.03    3774796.66        1.16486                       481293.03
3774796.66        1.13285
         481343.03    3774796.66        1.09006                       481393.03
3774796.66        1.05830
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***        10:39:05

                                     PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                     INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                  L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                  L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                  L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         481443.03    3774796.66        1.01150                       481493.03
3774796.66        0.97086
         481543.03    3774796.66        0.91886                       480543.03
3774846.66        1.31175
         480593.03    3774846.66        1.29392                       480643.03
3774846.66        1.27869
         480693.03    3774846.66        1.24706                       480743.03
3774846.66        1.24790
         480793.03    3774846.66        1.25943                       480843.03
3774846.66        1.23679
         480893.03    3774846.66        1.22691                       480943.03
```

3774846.66 1.19473
480993.03 3774846.66 1.17126 481043.03
3774846.66 1.15008
481093.03 3774846.66 1.12141 481143.03
3774846.66 1.09503
481193.03 3774846.66 1.08139 481243.03
3774846.66 1.04375
481293.03 3774846.66 1.01338 481343.03
3774846.66 0.97517
481393.03 3774846.66 0.93725 481443.03
3774846.66 0.90366
481493.03 3774846.66 0.86974 481543.03
3774846.66 0.82792
480543.03 3774896.66 1.20063 480593.03
3774896.66 1.18264
480643.03 3774896.66 1.15744 480693.03
3774896.66 1.13856
480743.03 3774896.66 1.13368 480793.03
3774896.66 1.13217
480843.03 3774896.66 1.12899 480893.03
3774896.66 1.11352
480943.03 3774896.66 1.09199 480993.03
3774896.66 1.06984
481043.03 3774896.66 1.04229 481093.03
3774896.66 1.01909
481143.03 3774896.66 0.99946 481193.03
3774896.66 0.97145
481243.03 3774896.66 0.94584 481293.03
3774896.66 0.91872
481343.03 3774896.66 0.88704 481393.03
3774896.66 0.85076
481443.03 3774896.66 0.81402 481493.03
3774896.66 0.77575
481543.03 3774896.66 0.74362 480543.03
3774946.66 1.08793
480593.03 3774946.66 1.08748 480643.03
3774946.66 1.06434
480693.03 3774946.66 1.04695 480743.03
3774946.66 1.03909
480793.03 3774946.66 1.04007 480843.03
3774946.66 1.03637
480893.03 3774946.66 1.00981 480943.03
3774946.66 0.98920
480993.03 3774946.66 0.96814 481043.03
3774946.66 0.94376
481093.03 3774946.66 0.92710 481143.03
3774946.66 0.90081
481193.03 3774946.66 0.88100 481243.03
3774946.66 0.85610
481293.03 3774946.66 0.82515 481343.03

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774040.02	0.39314	478220.37	3774040.02	0.41142
478270.37	3774040.02	0.43222	478320.37	3774040.02	0.45394
478170.37	3774090.02	0.38658	478220.37	3774090.02	0.40432
478270.37	3774090.02	0.42446	478320.37	3774090.02	0.44547
478170.37	3774140.02	0.38003	478220.37	3774140.02	0.39725
478270.37	3774140.02	0.41671	478320.37	3774140.02	0.43700
478170.37	3774190.02	0.37351	478220.37	3774190.02	0.39042
478270.37	3774190.02	0.40899	478320.37	3774190.02	0.42858

```
         478170.37    3774240.02        0.36704                    478220.37
3774240.02        0.38341
         478270.37    3774240.02        0.40134                    478320.37
3774240.02        0.42024
         478370.37    3774240.02        0.44110                    478420.37
3774240.02        0.46416
         478470.37    3774240.02        0.48875                    478520.37
3774240.02        0.51693
         478570.37    3774240.02        0.54690                    479170.37
3774240.02        1.53203
         479220.37    3774240.02        1.73701                    479270.37
3774240.02        1.97674
         479320.37    3774240.02        2.22932                    479370.37
3774240.02        2.48066
         479420.37    3774240.02        2.71729                    479470.37
3774240.02        2.91802
         479520.37    3774240.02        3.08829                    479570.37
3774240.02        3.22755
         479620.37    3774240.02        3.34116                    479670.37
3774240.02        3.43850
         479720.37    3774240.02        3.51797                    479770.37
3774240.02        3.58625
         479820.37    3774240.02        3.64339                    479870.37
3774240.02        3.69104
         479920.37    3774240.02        3.73043                    479970.37
3774240.02        3.76711
         478170.37    3774290.02        0.36063                    478220.37
3774290.02        0.37647
         478270.37    3774290.02        0.39379                    478320.37
3774290.02        0.41200
         478370.37    3774290.02        0.43207                    478420.37
3774290.02        0.45421
         478470.37    3774290.02        0.47776                    478520.37
3774290.02        0.50467
         478570.37    3774290.02        0.53318                    479170.37
3774290.02        1.38817
         479220.37    3774290.02        1.54300                    479270.37
3774290.02        1.71745
         479320.37    3774290.02        1.89634                    479370.37
3774290.02        2.07706
         479420.37    3774290.02        2.24632                    479470.37
3774290.02        2.39778
         479520.37    3774290.02        2.53248                    479570.37
3774290.02        2.64674
         479620.37    3774290.02        2.74521                    479670.37
3774290.02        2.82772
         479720.37    3774290.02        2.89800                    479770.37
3774290.02        2.95996
         479820.37    3774290.02        3.01265                    479870.37
3774290.02        3.05803
```

3774340.02 2.39511
479720.37 3774340.02 2.45888 479770.37
3774340.02 2.51372
479820.37 3774340.02 2.56224 479870.37
3774340.02 2.60546
479920.37 3774340.02 2.64232 479970.37
3774340.02 2.66508
478170.37 3774390.02 0.34805 478220.37
3774390.02 0.36283
478270.37 3774390.02 0.37895 478320.37
3774390.02 0.39583
478370.37 3774390.02 0.41490 478420.37
3774390.02 0.43471
478470.37 3774390.02 0.45686 478520.37
3774390.02 0.48068
478570.37 3774390.02 0.50638 479170.37
3774390.02 1.16136
479220.37 3774390.02 1.25984 479270.37
3774390.02 1.36259
479320.37 3774390.02 1.46709 479370.37
3774390.02 1.57368
479420.37 3774390.02 1.67433 479470.37
3774390.02 1.77116
479520.37 3774390.02 1.85839 479570.37
3774390.02 1.93792
479620.37 3774390.02 2.00963 479670.37
3774390.02 2.07335
479720.37 3774390.02 2.12968 479770.37
3774390.02 2.17944
479820.37 3774390.02 2.22426 479870.37
3774390.02 2.26168
479920.37 3774390.02 2.28825 479970.37
3774390.02 2.31740
478170.37 3774440.02 0.34187 478220.37
3774440.02 0.35619
478270.37 3774440.02 0.37167 478320.37
3774440.02 0.38790
478370.37 3774440.02 0.40619 478420.37
3774440.02 0.42515
478470.37 3774440.02 0.44628 478520.37
3774440.02 0.46893
478570.37 3774440.02 0.49327 478620.37
3774440.02 0.52064
478670.37 3774440.02 0.55013 478720.37
3774440.02 0.58216
478770.37 3774440.02 0.61739 478820.37
3774440.02 0.65772
479320.37 3774440.02 1.31913 479370.37
3774440.02 1.40496
479420.37 3774440.02 1.48645 479470.37

3774440.02   1.56584
         479520.37   3774440.02   1.63836   479570.37
3774440.02   1.70587
         479620.37   3774440.02   1.76766   479670.37
3774440.02   1.82369
         479720.37   3774440.02   1.87395   479770.37
3774440.02   1.91897
         479820.37   3774440.02   1.95878   479870.37
3774440.02   1.99482
         479920.37   3774440.02   2.01237   479970.37
3774440.02   2.04694
         478170.37   3774490.02   0.33575   478220.37
3774490.02   0.34993
         478270.37   3774490.02   0.36447   478320.37
3774490.02   0.38006
         478370.37   3774490.02   0.39759   478420.37
3774490.02   0.41570
         478470.37   3774490.02   0.43584   478520.37
3774490.02   0.45734
         478570.37   3774490.02   0.48037   478620.37
3774490.02   0.50639
         478670.37   3774490.02   0.53370   478720.37
3774490.02   0.56349

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                     INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                 L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                 L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                 L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

- -
478749.26 3774487.73 0.58284 478820.37
3774490.02 0.63296
479370.37 3774490.02 1.26911 479420.37
3774490.02 1.33703
479470.37 3774490.02 1.40278 479520.37
3774490.02 1.46395
479570.37 3774490.02 1.52252 479620.37
3774490.02 1.57542
479670.37 3774490.02 1.62507 479720.37
3774490.02 1.66972
479770.37 3774490.02 1.71045 479820.37
3774490.02 1.74536
479870.37 3774490.02 1.76750 479920.37
3774490.02 1.79653
479970.37 3774490.02 1.82878 478170.37
3774540.02 0.32989
478220.37 3774540.02 0.34337 478270.37
3774540.02 0.35734
478320.37 3774540.02 0.37230 478370.37
3774540.02 0.38908
478420.37 3774540.02 0.40637 478470.37
3774540.02 0.42553
478520.37 3774540.02 0.44590 478570.37
3774540.02 0.46764
478620.37 3774540.02 0.49209 478670.37
3774540.02 0.51760
478720.37 3774540.02 0.54525 478764.86
3774550.58 0.56805
478807.52 3774552.41 0.59481 479370.37
3774540.02 1.15706
479420.37 3774540.02 1.21422 479470.37
3774540.02 1.26995
479520.37 3774540.02 1.32219 479570.37
3774540.02 1.37286
479620.37 3774540.02 1.41907 479670.37
3774540.02 1.46310
479720.37 3774540.02 1.50294 479770.37
3774540.02 1.53857
479820.37 3774540.02 1.57167 479870.37
3774540.02 1.59189
479920.37 3774540.02 1.61886 479970.37
3774540.02 1.64881
478170.37 3774590.02 0.32410 478220.37
3774590.02 0.33687
478270.37 3774590.02 0.35029 478320.37
3774590.02 0.36508
478370.37 3774590.02 0.38067 478420.37
3774590.02 0.39716

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         478470.37    3774590.02        0.41559                        478520.37
3774590.02        0.43463
         478570.37    3774590.02        0.45595                        478620.37
3774590.02        0.47805
         478670.37    3774590.02        0.50184                        478720.37
3774590.02        0.52761
         478776.33    3774602.87        0.55444                        478804.31
3774604.25        0.57010
         479370.37    3774590.02        1.06286                        479420.37
3774590.02        1.11251
         479470.37    3774590.02        1.15949                        479520.37
3774590.02        1.20471
         479570.37    3774590.02        1.24880                        479620.37
3774590.02        1.28939
         479670.37    3774590.02        1.32856                        479720.37
3774590.02        1.36429
         479770.37    3774590.02        1.39515                        479820.37
3774590.02        1.42666
         479870.37    3774590.02        1.44505                        479920.37
3774590.02        1.47002
         479970.37    3774590.02        1.48666                        478170.37
3774640.02        0.31829
         478220.37    3774640.02        0.33043                        478270.37
3774640.02        0.34331
         478320.37    3774640.02        0.35748                        478370.37
3774640.02        0.37236
         478420.37    3774640.02        0.38805                        478470.37
3774640.02        0.40554
         478520.37    3774640.02        0.42353                        478570.37
3774640.02        0.44360
         478620.37    3774640.02        0.46430                        478670.37
3774640.02        0.48672
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                  PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                  INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                 L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
                 L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                 L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478720.37	3774640.02	0.51119	478770.37	3774640.02	0.53670
478820.37	3774640.02	0.56436	478870.37	3774640.02	0.59427
479370.37	3774640.02	0.98242	479420.37	3774640.02	1.02535
479470.37	3774640.02	1.06606	479520.37	3774640.02	1.10616
479570.37	3774640.02	1.14422	479620.37	3774640.02	1.18087
479670.37	3774640.02	1.21506	479720.37	3774640.02	1.24745
479770.37	3774640.02	1.27509	479820.37	3774640.02	1.30379
479870.37	3774640.02	1.31666	479920.37	3774640.02	1.34350
479970.37	3774640.02	1.35882	478170.37	3774690.02	0.31243
478220.37	3774690.02	0.32406	478270.37	3774690.02	0.33641
478320.37	3774690.02	0.35004	478370.37	3774690.02	0.36414
478420.37	3774690.02	0.37906	478470.37	3774690.02	0.39564
478520.37	3774690.02	0.41261	478570.37	3774690.02	0.43149
478620.37	3774690.02	0.45085	478670.37	3774690.02	0.47234
478720.37	3774690.02	0.49441	478770.37	3774690.02	0.51790
478820.37	3774690.02	0.54387	478868.71	3774700.63	0.56468
478861.34	3774671.12	0.57421	479026.61	3774722.40	0.64407
479059.05	3774696.65	0.68216	479113.74	3774695.09	0.72009
479370.37	3774690.02	0.91358	479420.37	3774690.02	0.95031
479470.37	3774690.02	0.98593	479520.37		

3774690.02 1.02149
479570.37 3774690.02 1.05496 479620.37
3774690.02 1.08760
479670.37 3774690.02 1.11803 479720.37
3774690.02 1.14595
479770.37 3774690.02 1.17224 479820.37
3774690.02 1.18625
479870.37 3774690.02 1.21006 479920.37
3774690.02 1.22912
479970.37 3774690.02 1.24687 478170.37
3774740.02 0.30658
478220.37 3774740.02 0.31774 478270.37
3774740.02 0.32958
478320.37 3774740.02 0.34270 478370.37
3774740.02 0.35603
478420.37 3774740.02 0.37027 478470.37
3774740.02 0.38589
478520.37 3774740.02 0.40190 478570.37
3774740.02 0.41964
478620.37 3774740.02 0.43774 478670.37
3774740.02 0.45776
478720.37 3774740.02 0.47820 478770.37
3774740.02 0.50044
478820.37 3774740.02 0.52371 478862.96
3774730.27 0.54905
479020.37 3774740.02 0.62933 479070.37
3774740.02 0.65960
479120.37 3774740.02 0.68984 479370.37
3774740.02 0.85293
479420.37 3774740.02 0.88494 479470.37
3774740.02 0.91647
479520.37 3774740.02 0.94785 479570.37
3774740.02 0.97776
479620.37 3774740.02 1.00679 479670.37
3774740.02 1.03410
479720.37 3774740.02 1.05811 479770.37
3774740.02 1.07508
479820.37 3774740.02 1.09396 479870.37
3774740.02 1.11752
479920.37 3774740.02 1.13489 479970.37
3774740.02 1.14805

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK2   ***
                                  INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                  L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                  L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                  L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         478170.37   3774790.02   0.30079   478220.37
3774790.02   0.31150
         478270.37   3774790.02   0.32282   478320.37
3774790.02   0.33534
         478370.37   3774790.02   0.34803   478420.37
3774790.02   0.36206
         478470.37   3774790.02   0.37631   478520.37
3774790.02   0.39158
         478570.37   3774790.02   0.40806   478620.37
3774790.02   0.42498
         478670.37   3774790.02   0.44362   478720.37
3774790.02   0.46257
         478770.37   3774790.02   0.48329   478820.37
3774790.02   0.50471
         478870.37   3774790.02   0.52742   478920.37
3774790.02   0.55068
         478970.37   3774790.02   0.57497   479020.37
3774790.02   0.60100
         479070.37   3774790.02   0.62740   479120.37
3774790.02   0.65441
         479370.37   3774790.02   0.79908   479420.37
3774790.02   0.82744
         479470.37   3774790.02   0.85613   479520.37
3774790.02   0.88339
         479570.37   3774790.02   0.91049   479620.37
3774790.02   0.93618
         479670.37   3774790.02   0.96077   479720.37
3774790.02   0.98249
         479770.37   3774790.02   0.99782   479820.37
3774790.02   1.01497

```
        479870.37    3774790.02        1.03644                    479920.37
3774790.02        1.04680
        479970.37    3774790.02        1.06421                    477970.37
3774840.02        0.25819
        478020.37    3774840.02        0.26691                    478070.37
3774840.02        0.27581
        478120.37    3774840.02        0.28533                    478170.37
3774840.02        0.29506
        478220.37    3774840.02        0.30531                    478270.37
3774840.02        0.31664
        478320.37    3774840.02        0.32808                    478370.37
3774840.02        0.34014
        478420.37    3774840.02        0.35345                    478470.37
3774840.02        0.36692
        478520.37    3774840.02        0.38134                    478570.37
3774840.02        0.39676
        478620.37    3774840.02        0.41304                    478670.37
3774840.02        0.42995
        478720.37    3774840.02        0.44753                    478770.37
3774840.02        0.46672
        478820.37    3774840.02        0.48637                    478870.37
3774840.02        0.50718
        478920.37    3774840.02        0.52838                    478970.37
3774840.02        0.55041
        479020.37    3774840.02        0.57414                    479070.37
3774840.02        0.59775
        479120.37    3774840.02        0.62232                    479170.37
3774840.02        0.64771
        479220.37    3774840.02        0.67289                    479270.37
3774840.02        0.69924
        479320.37    3774840.02        0.72482                    479370.37
3774840.02        0.75113
        479420.37    3774840.02        0.77668                    479470.37
3774840.02        0.80206
        479520.37    3774840.02        0.82667                    479570.37
3774840.02        0.85089
        479620.37    3774840.02        0.87392                    479670.37
3774840.02        0.89538
        479720.37    3774840.02        0.91582                    479770.37
3774840.02        0.92967
        479820.37    3774840.02        0.94525                    479870.37
3774840.02        0.96482
        479920.37    3774840.02        0.97134                    479970.37
3774840.02        0.99003
        477970.37    3774890.02        0.25430                    478020.37
3774890.02        0.26232
        478070.37    3774890.02        0.27090                    478120.37
3774890.02        0.28005
        478170.37    3774890.02        0.28938                    478220.37
3774890.02        0.29920
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                    INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                  L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                  L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                  L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         478270.37   3774890.02   0.31002   478320.37
3774890.02   0.32092
         478370.37   3774890.02   0.33237   478420.37
3774890.02   0.34499
         478470.37   3774890.02   0.35771   478520.37
3774890.02   0.37129
         478570.37   3774890.02   0.38576   478620.37
3774890.02   0.40100
         478670.37   3774890.02   0.41675   478720.37
3774890.02   0.43307
         478770.37   3774890.02   0.45082   478820.37
3774890.02   0.46893
         478870.37   3774890.02   0.48802   478920.37
3774890.02   0.50740
         478970.37   3774890.02   0.52746   479020.37
3774890.02   0.54901
         479070.37   3774890.02   0.57036   479120.37
3774890.02   0.59252
         479170.37   3774890.02   0.61537   479220.37
3774890.02   0.63798
         479270.37   3774890.02   0.66162   479320.37

3774890.02 0.68453
479370.37 3774890.02 0.70813 479420.37
3774890.02 0.73104
479470.37 3774890.02 0.75383 479520.37
3774890.02 0.77619
479570.37 3774890.02 0.79780 479620.37
3774890.02 0.81860
479670.37 3774890.02 0.83804 479720.37
3774890.02 0.85659
479770.37 3774890.02 0.86911 479820.37
3774890.02 0.88326
479870.37 3774890.02 0.90111 479920.37
3774890.02 0.90693
479970.37 3774890.02 0.92395 477970.37
3774940.02 0.25005
478020.37 3774940.02 0.25778 478070.37
3774940.02 0.26604
478120.37 3774940.02 0.27483 478170.37
3774940.02 0.28377
478220.37 3774940.02 0.29316 478270.37
3774940.02 0.30349
478320.37 3774940.02 0.31386 478370.37
3774940.02 0.32474
478420.37 3774940.02 0.33670 478470.37
3774940.02 0.34870
478520.37 3774940.02 0.36149 478570.37
3774940.02 0.37508
478620.37 3774940.02 0.38933 478670.37
3774940.02 0.40402
478720.37 3774940.02 0.41916 478770.37
3774940.02 0.43546
478820.37 3774940.02 0.45214 478870.37
3774940.02 0.46990
478920.37 3774940.02 0.48765 478970.37
3774940.02 0.50597
479020.37 3774940.02 0.52561 479070.37
3774940.02 0.54499
479120.37 3774940.02 0.56506 479170.37
3774940.02 0.58572
479220.37 3774940.02 0.60611 479270.37
3774940.02 0.62743
479320.37 3774940.02 0.64805 479370.37
3774940.02 0.66932
479420.37 3774940.02 0.68996 479470.37
3774940.02 0.71052
479520.37 3774940.02 0.73072 479570.37
3774940.02 0.75027
479620.37 3774940.02 0.76911 479670.37
3774940.02 0.78676
479720.37 3774940.02 0.80363 479770.37

3774940.02   0.81213
         479820.37   3774940.02   0.82780   479870.37
3774940.02   0.84409
         479920.37   3774940.02   0.84924   479970.37
3774940.02   0.86475
         477970.37   3774990.02   0.24583   478020.37
3774990.02   0.25328
         478070.37   3774990.02   0.26122   478120.37
3774990.02   0.26966

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                  INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                  L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                  L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                  L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         478170.37   3774990.02   0.27823   478220.37
3774990.02   0.28720
         478270.37   3774990.02   0.29706   478320.37
3774990.02   0.30692
         478370.37   3774990.02   0.31725   478420.37
3774990.02   0.32857
         478470.37   3774990.02   0.33990   478520.37
3774990.02   0.35194
         478570.37   3774990.02   0.36470   478620.37
3774990.02   0.37804
         478670.37   3774990.02   0.39175   478720.37
3774990.02   0.40583

```
         478770.37    3774990.02        0.42091                    478820.37
3774990.02        0.43633
         478870.37    3774990.02        0.45245                    478920.37
3774990.02        0.46905
         478970.37    3774990.02        0.48583                    479020.37
3774990.02        0.50378
         479070.37    3774990.02        0.52143                    479120.37
3774990.02        0.53967
         479170.37    3774990.02        0.55843                    479220.37
3774990.02        0.57689
         479270.37    3774990.02        0.59621                    479320.37
3774990.02        0.61485
         479370.37    3774990.02        0.63410                    479420.37
3774990.02        0.65277
         479470.37    3774990.02        0.67139                    479520.37
3774990.02        0.68970
         479570.37    3774990.02        0.70744                    479620.37
3774990.02        0.72456
         479670.37    3774990.02        0.74062                    479720.37
3774990.02        0.75598
         479770.37    3774990.02        0.76388                    479820.37
3774990.02        0.77790
         479870.37    3774990.02        0.79276                    479920.37
3774990.02        0.79730
         479970.37    3774990.02        0.81144                    477970.37
3775040.02        0.24165
         478020.37    3775040.02        0.24882                    478070.37
3775040.02        0.25645
         478120.37    3775040.02        0.26454                    478170.37
3775040.02        0.27275
         478220.37    3775040.02        0.28132                    478270.37
3775040.02        0.29072
         478320.37    3775040.02        0.30010                    478370.37
3775040.02        0.30990
         478420.37    3775040.02        0.32062                    478470.37
3775040.02        0.33132
         478520.37    3775040.02        0.34266                    478570.37
3775040.02        0.35464
         478620.37    3775040.02        0.36714                    478670.37
3775040.02        0.37994
         478720.37    3775040.02        0.39305                    478770.37
3775040.02        0.40705
         478820.37    3775040.02        0.42133                    478870.37
3775040.02        0.43650
         478920.37    3775040.02        0.45150                    478970.37
3775040.02        0.46691
         479020.37    3775040.02        0.48336                    479070.37
3775040.02        0.49949
         479120.37    3775040.02        0.51614                    479170.37
3775040.02        0.53322
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         479220.37    3775040.02        0.55001                      479270.37
3775040.02        0.56757
         479320.37    3775040.02        0.58449                      479370.37
3775040.02        0.60198
         479420.37    3775040.02        0.61892                      479470.37
3775040.02        0.63585
         479520.37    3775040.02        0.65212                      479570.37
3775040.02        0.66860
         479620.37    3775040.02        0.68423                      479670.37
3775040.02        0.69884
         479720.37    3775040.02        0.71288                      479770.37
3775040.02        0.72119
         479820.37    3775040.02        0.73276                      479870.37
3775040.02        0.74634
         479920.37    3775040.02        0.75031                      479970.37
3775040.02        0.76320
         477970.37    3775090.02        0.23751                      478020.37
3775090.02        0.24440
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE 106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                    INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                  L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
                  L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                  L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         478070.37    3775090.02        0.25173                      478120.37
3775090.02        0.25949
         478170.37    3775090.02        0.26734                      478220.37
```

3775090.02 0.27553
478270.37 3775090.02 0.28449 478320.37
3775090.02 0.29341
478370.37 3775090.02 0.30270 478420.37
3775090.02 0.31285
478470.37 3775090.02 0.32295 478520.37
3775090.02 0.33363
478570.37 3775090.02 0.34489 478620.37
3775090.02 0.35661
478670.37 3775090.02 0.36857 478720.37
3775090.02 0.38079
478770.37 3775090.02 0.39350 478820.37
3775090.02 0.40706
478870.37 3775090.02 0.42110 478920.37
3775090.02 0.43494
478970.37 3775090.02 0.44912 479020.37
3775090.02 0.46424
479070.37 3775090.02 0.47902 479120.37
3775090.02 0.49425
479170.37 3775090.02 0.50987 479220.37
3775090.02 0.52518
479270.37 3775090.02 0.54120 479320.37
3775090.02 0.55661
479370.37 3775090.02 0.57255 479420.37
3775090.02 0.58782
479470.37 3775090.02 0.60341 479520.37
3775090.02 0.61824
479570.37 3775090.02 0.63298 479620.37
3775090.02 0.64755
479670.37 3775090.02 0.66139 479720.37
3775090.02 0.67371
479770.37 3775090.02 0.67887 479820.37
3775090.02 0.69175
479870.37 3775090.02 0.69984 479920.37
3775090.02 0.70761
479970.37 3775090.02 0.71938 477970.37
3775140.02 0.23340
478020.37 3775140.02 0.24003 478070.37
3775140.02 0.24707
478120.37 3775140.02 0.25451 478170.37
3775140.02 0.26201
478220.37 3775140.02 0.26982 478270.37
3775140.02 0.27837
478320.37 3775140.02 0.28684 478370.37
3775140.02 0.29566
478420.37 3775140.02 0.30527 478470.37
3775140.02 0.31481
478520.37 3775140.02 0.32487 478570.37
3775140.02 0.33546
478620.37 3775140.02 0.34645 478670.37

3775140.02   0.35764
         478720.37   3775140.02   0.36904   478770.37
3775140.02   0.38080
         478820.37   3775140.02   0.39347   478870.37
3775140.02   0.40624
         478920.37   3775140.02   0.41929   478970.37
3775140.02   0.43236
         479020.37   3775140.02   0.44630   479070.37
3775140.02   0.45988
         479120.37   3775140.02   0.47385   479170.37
3775140.02   0.48816
         479220.37   3775140.02   0.50217   479270.37
3775140.02   0.51684
         479320.37   3775140.02   0.53091   479370.37
3775140.02   0.54549
         479420.37   3775140.02   0.55939   479470.37
3775140.02   0.57344
         479520.37   3775140.02   0.58723   479570.37
3775140.02   0.60062
         479620.37   3775140.02   0.61404   479670.37
3775140.02   0.62671
         479720.37   3775140.02   0.63797   479770.37
3775140.02   0.64255
         479820.37   3775140.02   0.65434   479870.37
3775140.02   0.66156
         479920.37   3775140.02   0.66868   479970.37
3775140.02   0.67344

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                  INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                 L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                 L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                 L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
477970.37	3775190.02	0.22934	478020.37	3775190.02	0.23571
478070.37	3775190.02	0.24246	478120.37	3775190.02	0.24959
478170.37	3775190.02	0.25676	478220.37	3775190.02	0.26422
478270.37	3775190.02	0.27236	478320.37	3775190.02	0.28041
478370.37	3775190.02	0.28877	478420.37	3775190.02	0.29788
478470.37	3775190.02	0.30688	478520.37	3775190.02	0.31637
478570.37	3775190.02	0.32633	478620.37	3775190.02	0.33665
478670.37	3775190.02	0.34713	478720.37	3775190.02	0.35778
478770.37	3775190.02	0.36874	478820.37	3775190.02	0.38054
478870.37	3775190.02	0.39210	478920.37	3775190.02	0.40448
478970.37	3775190.02	0.41656	479020.37	3775190.02	0.42943
479070.37	3775190.02	0.44193	479120.37	3775190.02	0.45479
479170.37	3775190.02	0.46794	479220.37	3775190.02	0.48080
479270.37	3775190.02	0.49425	479320.37	3775190.02	0.50714
479370.37	3775190.02	0.52050	479420.37	3775190.02	0.53323
479470.37	3775190.02	0.54582	479520.37	3775190.02	0.55874
479570.37	3775190.02	0.57090	479620.37	3775190.02	0.58331
479670.37	3775190.02	0.59492	479720.37	3775190.02	0.60523
479770.37	3775190.02	0.60929	479820.37	3775190.02	0.62009
479870.37	3775190.02	0.62281	479920.37	3775190.02	0.63304
479970.37	3775190.02	0.63563	477970.37	3775240.02	0.22532
478020.37	3775240.02	0.23144	478070.37	3775240.02	0.23792

```
         478120.37    3775240.02        0.24474                      478170.37
3775240.02        0.25160
         478220.37    3775240.02        0.25871                      478270.37
3775240.02        0.26646
         478320.37    3775240.02        0.27412                      478370.37
3775240.02        0.28205
         478420.37    3775240.02        0.29067                      478470.37
3775240.02        0.29918
         478520.37    3775240.02        0.30813                      478570.37
3775240.02        0.31751
         478620.37    3775240.02        0.32695                      478670.37
3775240.02        0.33703
         478720.37    3775240.02        0.34699                      478770.37
3775240.02        0.35721
         478820.37    3775240.02        0.36821                      478870.37
3775240.02        0.37896
         478920.37    3775240.02        0.39045                      478970.37
3775240.02        0.40164
         479020.37    3775240.02        0.41354                      479070.37
3775240.02        0.42509
         479120.37    3775240.02        0.43694                      479170.37
3775240.02        0.44906
         479220.37    3775240.02        0.46088                      479270.37
3775240.02        0.47326
         479320.37    3775240.02        0.48510                      479370.37
3775240.02        0.49737
         479420.37    3775240.02        0.50905                      479470.37
3775240.02        0.52099
         479520.37    3775240.02        0.53246                      479570.37
3775240.02        0.54376
         479620.37    3775240.02        0.55502                      479670.37
3775240.02        0.56526
         479720.37    3775240.02        0.57513                      479770.37
3775240.02        0.57872
         479820.37    3775240.02        0.58863                      479870.37
3775240.02        0.59095
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:39:05

                                  PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                  INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                 L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
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L0002705 , L0002706 , L0002707 , L0002708 , L0002709
, L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717
, L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479920.37	3775240.02	0.60033	479970.37	3775240.02	0.60252
477970.37	3775290.02	0.22105	478020.37	3775290.02	0.22723
478070.37	3775290.02	0.23343	478120.37	3775290.02	0.23997
478170.37	3775290.02	0.24652	478220.37	3775290.02	0.25330
478270.37	3775290.02	0.26069	478320.37	3775290.02	0.26796
478370.37	3775290.02	0.27548	478420.37	3775290.02	0.28366
478470.37	3775290.02	0.29170	478520.37	3775290.02	0.30014
478570.37	3775290.02	0.30898	478620.37	3775290.02	0.31779
478670.37	3775290.02	0.32731	478720.37	3775290.02	0.33663
478770.37	3775290.02	0.34619	478820.37	3775290.02	0.35631
478870.37	3775290.02	0.36646	478920.37	3775290.02	0.37714
478970.37	3775290.02	0.38753	479020.37	3775290.02	0.39856
479070.37	3775290.02	0.40924	479120.37	3775290.02	0.42020
479170.37	3775290.02	0.43138	479220.37	3775290.02	0.44228
479270.37	3775290.02	0.45368	479320.37	3775290.02	0.46458
479370.37	3775290.02	0.47588	479420.37	3775290.02	0.48663
479470.37	3775290.02	0.49770	479520.37	3775290.02	0.50816
479570.37	3775290.02	0.51885	479620.37		

```
3775290.02        0.52891
         479670.37    3775290.02        0.53835                    479720.37
3775290.02        0.54285
         479770.37    3775290.02        0.55053                    479820.37
3775290.02        0.55964
         479870.37    3775290.02        0.56161                    479920.37
3775290.02        0.56645
         479970.37    3775290.02        0.57070                    477970.37
3775340.02        0.21713
         478020.37    3775340.02        0.22307                    478070.37
3775340.02        0.22890
         478120.37    3775340.02        0.23527                    478170.37
3775340.02        0.24153
         478220.37    3775340.02        0.24799                    478270.37
3775340.02        0.25499
         478320.37    3775340.02        0.26195                    478370.37
3775340.02        0.26909
         478420.37    3775340.02        0.27684                    478470.37
3775340.02        0.28444
         478520.37    3775340.02        0.29241                    478570.37
3775340.02        0.30074
         478620.37    3775340.02        0.30903                    478670.37
3775340.02        0.31794
         478720.37    3775340.02        0.32671                    478770.37
3775340.02        0.33564
         478820.37    3775340.02        0.34523                    478870.37
3775340.02        0.35457
         478920.37    3775340.02        0.36452                    478970.37
3775340.02        0.37416
         479020.37    3775340.02        0.38442                    479070.37
3775340.02        0.39431
         479120.37    3775340.02        0.40445                    479170.37
3775340.02        0.41480
         479220.37    3775340.02        0.42486                    479270.37
3775340.02        0.43540
         479320.37    3775340.02        0.44545                    479370.37
3775340.02        0.45588
         479420.37    3775340.02        0.46577                    479470.37
3775340.02        0.47598
         479520.37    3775340.02        0.48561                    479570.37
3775340.02        0.49547
         479620.37    3775340.02        0.50473                    479670.37
3775340.02        0.51342
         479720.37    3775340.02        0.51744                    479770.37
3775340.02        0.52448
↟ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***

INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 , L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 , L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 , L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479820.37	3775340.02	0.53285	479870.37	3775340.02	0.53450
479920.37	3775340.02	0.53886	479970.37	3775340.02	0.54265
477970.37	3775390.02	0.21327	478020.37	3775390.02	0.21897
478070.37	3775390.02	0.22456	478120.37	3775390.02	0.23065
478170.37	3775390.02	0.23663	478220.37	3775390.02	0.24279
478270.37	3775390.02	0.24916	478320.37	3775390.02	0.25608
478370.37	3775390.02	0.26285	478420.37	3775390.02	0.27020
478470.37	3775390.02	0.27739	478520.37	3775390.02	0.28481
478570.37	3775390.02	0.29278	478620.37	3775390.02	0.30058
478670.37	3775390.02	0.30893	478720.37	3775390.02	0.31718
478770.37	3775390.02	0.32555	478820.37	3775390.02	0.33453
478870.37	3775390.02	0.34324	478920.37	3775390.02	0.35252
478970.37	3775390.02	0.36150	479020.37	3775390.02	0.37103

479070.37 3775390.02 0.38022 479120.37 3775390.02 0.38962
479170.37 3775390.02 0.39921 479220.37 3775390.02 0.40852
479270.37 3775390.02 0.41827 479320.37 3775390.02 0.42756
479370.37 3775390.02 0.43720 479420.37 3775390.02 0.44633
479470.37 3775390.02 0.45576 479520.37 3775390.02 0.46464
479570.37 3775390.02 0.47355 479620.37 3775390.02 0.48228
479670.37 3775390.02 0.48979 479720.37 3775390.02 0.49389
479770.37 3775390.02 0.50033 479820.37 3775390.02 0.50413
479870.37 3775390.02 0.50940 479920.37 3775390.02 0.51059
479970.37 3775390.02 0.51669 477970.37 3775440.02 0.20945
478020.37 3775440.02 0.21483 478070.37 3775440.02 0.22028
478120.37 3775440.02 0.22581 478170.37 3775440.02 0.23182
478220.37 3775440.02 0.23770 478270.37 3775440.02 0.24376
478320.37 3775440.02 0.25030 478370.37 3775440.02 0.25678
478420.37 3775440.02 0.26340 478470.37 3775440.02 0.27056
478520.37 3775440.02 0.27754 478570.37 3775440.02 0.28509
478620.37 3775440.02 0.29244 478670.37 3775440.02 0.30010
478720.37 3775440.02 0.30804 478770.37 3775440.02 0.31589
478820.37 3775440.02 0.32430 478870.37 3775440.02 0.33284
478920.37 3775440.02 0.34111 478970.37 3775440.02 0.34948
479020.37 3775440.02 0.35836 479070.37 3775440.02 0.36690
479120.37 3775440.02 0.37563 479170.37 3775440.02 0.38454
479220.37 3775440.02 0.39316 479270.37 3775440.02 0.40221
479320.37 3775440.02 0.41080 479370.37 3775440.02 0.41972
479420.37 3775440.02 0.42817 479470.37 3775440.02 0.43689

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479520.37	3775440.02	0.44509	479570.37	3775440.02	0.45328
479620.37	3775440.02	0.46139	479670.37	3775440.02	0.46831
479720.37	3775440.02	0.47130	479770.37	3775440.02	0.47580
479820.37	3775440.02	0.48044	479870.37	3775440.02	0.48211
479920.37	3775440.02	0.48613	479970.37	3775440.02	0.49262
477970.37	3775490.02	0.20569	478020.37	3775490.02	0.21066
478070.37	3775490.02	0.21605	478120.37	3775490.02	0.22136
478170.37	3775490.02	0.22701	478220.37	3775490.02	0.23272
478270.37	3775490.02	0.23849	478320.37	3775490.02	0.24465
478370.37	3775490.02	0.25087	478420.37	3775490.02	0.25714
478470.37	3775490.02	0.26393	478520.37		

3775490.02 0.27053
478570.37 3775490.02 0.27766 478620.37
3775490.02 0.28459
478670.37 3775490.02 0.29180 478720.37
3775490.02 0.29927
478770.37 3775490.02 0.30663 478820.37
3775490.02 0.31452
478870.37 3775490.02 0.32252 478920.37
3775490.02 0.33025
478970.37 3775490.02 0.33805 479020.37
3775490.02 0.34634
479070.37 3775490.02 0.35429 479120.37
3775490.02 0.36242
479170.37 3775490.02 0.37070 479220.37
3775490.02 0.37871
479270.37 3775490.02 0.38710 479320.37
3775490.02 0.39507
479370.37 3775490.02 0.40334 479420.37
3775490.02 0.41116
479470.37 3775490.02 0.41924 479520.37
3775490.02 0.42683
479570.37 3775490.02 0.43440 479620.37
3775490.02 0.44191
479670.37 3775490.02 0.44828 479720.37
3775490.02 0.45023
479770.37 3775490.02 0.45502 479820.37
3775490.02 0.45804
479870.37 3775490.02 0.46015 479920.37
3775490.02 0.46429
479970.37 3775490.02 0.46556 477970.37
3775540.02 0.20199
478020.37 3775540.02 0.20675 478070.37
3775540.02 0.21176
478120.37 3775540.02 0.21700 478170.37
3775540.02 0.22224
478220.37 3775540.02 0.22785 478270.37
3775540.02 0.23334
478320.37 3775540.02 0.23903 478370.37
3775540.02 0.24511
478420.37 3775540.02 0.25106 478470.37
3775540.02 0.25742
478520.37 3775540.02 0.26375 478570.37
3775540.02 0.27049
478620.37 3775540.02 0.27702 478670.37
3775540.02 0.28371
478720.37 3775540.02 0.29085 478770.37
3775540.02 0.29776
478820.37 3775540.02 0.30517 478870.37
3775540.02 0.31238
478920.37 3775540.02 0.31989 478970.37

3775540.02   0.32719
         479020.37   3775540.02   0.33493   479070.37
3775540.02   0.34234
         479120.37   3775540.02   0.34992   479170.37
3775540.02   0.35762
         479220.37   3775540.02   0.36507   479270.37
3775540.02   0.37288
         479320.37   3775540.02   0.38027   479370.37
3775540.02   0.38795
         479420.37   3775540.02   0.39520   479470.37
3775540.02   0.40269
         479520.37   3775540.02   0.40973   479570.37
3775540.02   0.41674

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                   INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                  L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                  L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                  L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         479620.37   3775540.02   0.42369   479670.37
3775540.02   0.42957
         479720.37   3775540.02   0.43127   479770.37
3775540.02   0.43341
         479820.37   3775540.02   0.43834   479870.37
3775540.02   0.43820
         479920.37   3775540.02   0.43967   479970.37
3775540.02   0.44195

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         478861.36    3774619.36        0.59884                    478791.49
3774517.73        0.59887
         478789.65    3774444.30        0.63043                    478748.80
3774449.81        0.59779
         479103.48    3774681.38        0.72395                    479094.51
3774696.20        0.70622
         479077.34    3774696.98        0.69416                    479101.53
3774731.70        0.68433
         479782.92    3774151.51        5.68426                    479890.06
3774169.23        5.19759
         479890.06    3774137.17        6.32821                    479913.68
3774138.01        6.29597
         479911.15    3774168.38        5.23353                    479885.84
3774064.62       12.18450
         480398.50    3774179.13        5.31509                    480448.50
3774179.13        5.46779
         480498.50    3774179.13        5.70188                    479998.50
3774229.13        3.95503
         480048.50    3774229.13        3.98626                    480098.50
3774229.13        4.01071
         480148.50    3774229.13        4.04379                    480198.50
3774229.13        4.07352
         480248.50    3774229.13        4.11677                    480298.50
3774229.13        4.15751
         480348.50    3774229.13        4.22349                    480398.50
3774229.13        4.32120
         480448.50    3774229.13        4.46144                    480498.50
3774229.13        4.65534
         479998.50    3774279.13        3.26479                    480048.50
3774279.13        3.29878
         480098.50    3774279.13        3.32161                    480148.50
3774279.13        3.35841
         480198.50    3774279.13        3.38500                    480248.50
3774279.13        3.43205
         480298.50    3774279.13        3.46880                    480348.50
3774279.13        3.52631
         480398.50    3774279.13        3.61417                    480448.50
3774279.13        3.73756
         480498.50    3774279.13        3.89002                    479998.50
3774329.13        2.77209
         480048.50    3774329.13        2.79870                    480098.50
3774329.13        2.82664
         480148.50    3774329.13        2.86493                    480198.50
3774329.13        2.88668
         480248.50    3774329.13        2.93425                    480298.50
3774329.13        2.96651
         480348.50    3774329.13        3.02962                    480398.50
3774329.13        3.09620
         480448.50    3774329.13        3.19442                    480498.50
3774329.13        3.31122
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         479998.50    3774379.13        2.40514                      480048.50
3774379.13        2.43028
         480098.50    3774379.13        2.45670                      480148.50
3774379.13        2.49307
         480198.50    3774379.13        2.51264                      480248.50
3774379.13        2.55654
         480298.50    3774379.13        2.58423                      480348.50
3774379.13        2.63923
         480398.50    3774379.13        2.70727                      480448.50
3774379.13        2.77312
         480498.50    3774379.13        2.86131                      479998.50
3774429.13        2.11955
         480048.50    3774429.13        2.13826                      480098.50
3774429.13        2.16800
         480148.50    3774429.13        2.18800                      480198.50
3774429.13        2.21948
         480248.50    3774429.13        2.25937                      480298.50
3774429.13        2.28268
         480348.50    3774429.13        2.32993                      480398.50
3774429.13        2.37325
         480448.50    3774429.13        2.43745                      480498.50
3774429.13        2.50375
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                   INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                  L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
                  L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                  L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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479998.50	3774479.13	1.88111	480048.50	3774479.13	1.90369
480098.50	3774479.13	1.93552	480148.50	3774479.13	1.95140
480198.50	3774479.13	1.98254	480248.50	3774479.13	2.01851
480298.50	3774479.13	2.03400	480348.50	3774479.13	2.07814
480398.50	3774479.13	2.11157	480448.50	3774479.13	2.16413
480498.50	3774479.13	2.21284	479998.50	3774529.13	1.69050
480048.50	3774529.13	1.71421	480098.50	3774529.13	1.73160
480148.50	3774529.13	1.75477	480198.50	3774529.13	1.78637
480248.50	3774529.13	1.80364	480298.50	3774529.13	1.83085
480348.50	3774529.13	1.86204	480398.50	3774529.13	1.89503
480448.50	3774529.13	1.93761	480498.50	3774529.13	1.97066
479998.50	3774579.13	1.52923	480048.50	3774579.13	1.55528
480098.50	3774579.13	1.56559	480148.50	3774579.13	1.59234
480198.50	3774579.13	1.62094	480248.50	3774579.13	1.62770
480298.50	3774579.13	1.65919	480348.50	3774579.13	1.67781
480398.50	3774579.13	1.71063	480448.50	3774579.13	1.73700
480498.50	3774579.13	1.77137	479998.50	3774629.13	1.39421
480048.50	3774629.13	1.40862	480098.50	3774629.13	1.42766
480148.50	3774629.13	1.45361	480198.50	3774629.13	1.46080
480248.50	3774629.13	1.48433	480298.50	3774629.13	1.49810
480348.50	3774629.13	1.52476	480398.50	3774629.13	1.55474
480448.50	3774629.13	1.57108	480498.50	3774629.13	1.59035
479998.50	3774679.13	1.27976	480048.50	3774679.13	1.29219
480098.50	3774679.13	1.31010	480148.50	3774679.13	1.32018
480198.50	3774679.13	1.33593	480248.50		

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3774679.13        1.35404
         480298.50    3774679.13        1.36915                        480348.50
3774679.13        1.38874
         480398.50    3774679.13        1.40623                        480448.50
3774679.13        1.42496
         480498.50    3774679.13        1.44303                        479998.50
3774729.13        1.18027
         480048.50    3774729.13        1.18790                        480098.50
3774729.13        1.20776
         480148.50    3774729.13        1.21205                        480198.50
3774729.13        1.23059
         480248.50    3774729.13        1.23844                        480298.50
3774729.13        1.25924
         480348.50    3774729.13        1.27295                        480398.50
3774729.13        1.28995
         480448.50    3774729.13        1.30053                        480498.50
3774729.13        1.31942
         479998.50    3774779.13        1.09299                        480048.50
3774779.13        1.09788
         480098.50    3774779.13        1.11780                        480148.50
3774779.13        1.12141
         480198.50    3774779.13        1.12962                        480248.50
3774779.13        1.14283
         480298.50    3774779.13        1.16261                        480348.50
3774779.13        1.16870
         480398.50    3774779.13        1.18827                        480448.50
3774779.13        1.19541
         480498.50    3774779.13        1.21181                        479998.50
3774829.13        1.00753
         480048.50    3774829.13        1.02011                        480098.50
3774829.13        1.03816
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                  PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                  INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                  L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
                  L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                  L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480148.50	3774829.13	1.04113	480198.50	3774829.13	1.04821
480248.50	3774829.13	1.05969	480298.50	3774829.13	1.07711
480348.50	3774829.13	1.08172	480398.50	3774829.13	1.09861
480448.50	3774829.13	1.10145	480498.50	3774829.13	1.11003
479998.50	3774879.13	0.93638	480048.50	3774879.13	0.95085
480098.50	3774879.13	0.96722	480148.50	3774879.13	0.96958
480198.50	3774879.13	0.97793	480248.50	3774879.13	0.98693
480298.50	3774879.13	1.00103	480348.50	3774879.13	1.00442
480398.50	3774879.13	1.00865	480448.50	3774879.13	1.02056
480498.50	3774879.13	1.02731	479998.50	3774929.13	0.87574
480048.50	3774929.13	0.88883	480098.50	3774929.13	0.90366
480148.50	3774929.13	0.90280	480198.50	3774929.13	0.91712
480248.50	3774929.13	0.92058	480298.50	3774929.13	0.93299
480348.50	3774929.13	0.93538	480398.50	3774929.13	0.93632
480448.50	3774929.13	0.94860	480498.50	3774929.13	0.94809
479998.50	3774979.13	0.82117	480048.50	3774979.13	0.83301
480098.50	3774979.13	0.84646	480148.50	3774979.13	0.84529
480198.50	3774979.13	0.85816	480248.50	3774979.13	0.86087
480298.50	3774979.13	0.87186	480348.50	3774979.13	0.87343
480398.50	3774979.13	0.87360	480448.50	3774979.13	0.88425

```
         480498.50    3774979.13        0.88294                      479998.50
3775029.13        0.77184
         480048.50    3775029.13        0.78255                      480098.50
3775029.13        0.79475
         480148.50    3775029.13        0.79329                      480198.50
3775029.13        0.80489
         480248.50    3775029.13        0.80695                      480298.50
3775029.13        0.81670
         480348.50    3775029.13        0.81761                      480398.50
3775029.13        0.81715
         480448.50    3775029.13        0.82644                      480498.50
3775029.13        0.82452
         479998.50    3775079.13        0.72705                      480048.50
3775079.13        0.73674
         480098.50    3775079.13        0.74782                      480148.50
3775079.13        0.74612
         480198.50    3775079.13        0.75657                      480248.50
3775079.13        0.76646
         480298.50    3775079.13        0.76675                      480348.50
3775079.13        0.76710
         480398.50    3775079.13        0.76615                      480448.50
3775079.13        0.76658
         480498.50    3775079.13        0.76472                      479998.50
3775129.13        0.68614
         480048.50    3775129.13        0.69502                      480098.50
3775129.13        0.70508
         480148.50    3775129.13        0.70316                      480198.50
3775129.13        0.70950
         480248.50    3775129.13        0.71749                      480298.50
3775129.13        0.72136
         480348.50    3775129.13        0.71625                      480398.50
3775129.13        0.71970
         480448.50    3775129.13        0.71966                      480498.50
3775129.13        0.71727
         479998.50    3775179.13        0.64728                      480048.50
3775179.13        0.65688
         480098.50    3775179.13        0.65655                      480148.50
3775179.13        0.66393
         480198.50    3775179.13        0.66790                      480248.50
3775179.13        0.67221
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                        ***       10:39:05

                                  PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
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INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 , L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 , L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 , L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480298.50	3775179.13	0.67292	480348.50	3775179.13	0.67118
480398.50	3775179.13	0.67764	480448.50	3775179.13	0.66707
480498.50	3775179.13	0.67008	479998.50	3775229.13	0.61316
480048.50	3775229.13	0.62192	480098.50	3775229.13	0.61997
480148.50	3775229.13	0.62799	480198.50	3775229.13	0.63189
480248.50	3775229.13	0.63588	480298.50	3775229.13	0.63464
480348.50	3775229.13	0.63286	480398.50	3775229.13	0.63067
480448.50	3775229.13	0.62826	480498.50	3775229.13	0.62821
479998.50	3775279.13	0.58178	480048.50	3775279.13	0.58978
480098.50	3775279.13	0.58770	480148.50	3775279.13	0.59498
480198.50	3775279.13	0.59795	480248.50	3775279.13	0.60117
480298.50	3775279.13	0.60133	480348.50	3775279.13	0.59408
480398.50	3775279.13	0.59583	480448.50	3775279.13	0.59117
480498.50	3775279.13	0.59135	479998.50	3775329.13	0.55284
480048.50	3775329.13	0.56015	480098.50	3775329.13	0.55796
480148.50	3775329.13	0.56458	480198.50		

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3775329.13        0.56488
         480248.50    3775329.13        0.56990                    480298.50
3775329.13        0.56311
         480348.50    3775329.13        0.56267                    480398.50
3775329.13        0.55619
         480448.50    3775329.13        0.55939                    480498.50
3775329.13        0.55590
         479998.50    3775379.13        0.52609                    480048.50
3775379.13        0.52697
         480098.50    3775379.13        0.53036                    480148.50
3775379.13        0.53652
         480198.50    3775379.13        0.53290                    480248.50
3775379.13        0.53466
         480298.50    3775379.13        0.52876                    480348.50
3775379.13        0.52570
         480398.50    3775379.13        0.52588                    480448.50
3775379.13        0.52352
         480498.50    3775379.13        0.52193                    479998.50
3775429.13        0.49638
         480048.50    3775429.13        0.49899                    480098.50
3775429.13        0.50494
         480148.50    3775429.13        0.50550                    480198.50
3775429.13        0.50564
         480248.50    3775429.13        0.50141                    480298.50
3775429.13        0.50044
         480348.50    3775429.13        0.49278                    480398.50
3775429.13        0.49224
         480448.50    3775429.13        0.49430                    480498.50
3775429.13        0.49197
         479998.50    3775479.13        0.47166                    480048.50
3775479.13        0.47591
         480098.50    3775479.13        0.48137                    480148.50
3775479.13        0.48029
         480198.50    3775479.13        0.47603                    480248.50
3775479.13        0.47182
         480298.50    3775479.13        0.46751                    480348.50
3775479.13        0.46472
         480398.50    3775479.13        0.46320                    480448.50
3775479.13        0.46566
         480498.50    3775479.13        0.46076                    480254.72
3774120.37        7.02200
         480287.52    3774147.62        6.02174                    480349.09
3774140.55        6.31617
         480381.90    3774044.67       12.55665                    480443.97
3774003.79       20.74550
         480407.64    3774005.81       20.64248                    480390.48
3774008.33       20.05794
         480543.03    3774446.66        2.46041                    480593.03
3774446.66        2.52859
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480643.03	3774446.66	2.60816	480693.03	3774446.66	2.69015
480743.03	3774446.66	2.76644	480793.03	3774446.66	2.81092
480843.03	3774446.66	2.85870	480893.03	3774446.66	2.87752
480943.03	3774446.66	2.88711	480993.03	3774446.66	2.88840
481043.03	3774446.66	2.87219	481093.03	3774446.66	2.85543
481143.03	3774446.66	2.82899	481193.03	3774446.66	2.79692
481243.03	3774446.66	2.76820	481293.03	3774446.66	2.71819
481343.03	3774446.66	2.64217	481393.03	3774446.66	2.59277
481443.03	3774446.66	2.53014	480543.03	3774496.66	2.17341
480593.03	3774496.66	2.21957	480643.03	3774496.66	2.27416
480693.03	3774496.66	2.32778	480743.03	3774496.66	2.36871

480793.03 3774496.66 2.40866 480843.03
3774496.66 2.44362
480893.03 3774496.66 2.45602 480943.03
3774496.66 2.46345
480993.03 3774496.66 2.45578 481043.03
3774496.66 2.44851
481093.03 3774496.66 2.43412 481143.03
3774496.66 2.41136
481193.03 3774496.66 2.37668 481243.03
3774496.66 2.35230
481293.03 3774496.66 2.28484 481343.03
3774496.66 2.22727
481393.03 3774496.66 2.16185 481443.03
3774496.66 2.11974
481493.03 3774496.66 2.04078 480543.03
3774546.66 1.92560
480593.03 3774546.66 1.96923 480643.03
3774546.66 2.00780
480693.03 3774546.66 2.04477 480743.03
3774546.66 2.07124
480793.03 3774546.66 2.09878 480843.03
3774546.66 2.12471
480893.03 3774546.66 2.12720 480943.03
3774546.66 2.13237
480993.03 3774546.66 2.12695 481043.03
3774546.66 2.12290
481093.03 3774546.66 2.10274 481143.03
3774546.66 2.07799
481193.03 3774546.66 2.05600 481243.03
3774546.66 2.01019
481293.03 3774546.66 1.94783 481343.03
3774546.66 1.91360
481393.03 3774546.66 1.85230 481443.03
3774546.66 1.79649
481493.03 3774546.66 1.74345 481543.03
3774546.66 1.68019
480543.03 3774596.66 1.72648 480593.03
3774596.66 1.76276
480643.03 3774596.66 1.78257 480693.03
3774596.66 1.81649
480743.03 3774596.66 1.82687 480793.03
3774596.66 1.85270
480843.03 3774596.66 1.85850 480893.03
3774596.66 1.87107
480943.03 3774596.66 1.87054 480993.03
3774596.66 1.86767
481043.03 3774596.66 1.85534 481093.03
3774596.66 1.83827
481143.03 3774596.66 1.81787 481193.03
3774596.66 1.78702

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
481243.03	3774596.66	1.74140	481293.03	3774596.66	1.69538
481343.03	3774596.66	1.65217	481393.03	3774596.66	1.60365
481443.03	3774596.66	1.55563	481493.03	3774596.66	1.50355
481543.03	3774596.66	1.44501	480543.03	3774646.66	1.56057
480593.03	3774646.66	1.58018	480643.03	3774646.66	1.60249
480693.03	3774646.66	1.62019	480743.03	3774646.66	1.63292
480793.03	3774646.66	1.64636	480843.03	3774646.66	1.65287
480893.03	3774646.66	1.65528	480943.03	3774646.66	1.65650
480993.03	3774646.66	1.65534	481043.03	3774646.66	1.63985
481093.03	3774646.66	1.62123	481143.03	3774646.66	1.61081
481193.03	3774646.66	1.57330	481243.03		

3774646.66 1.53605
481293.03 3774646.66 1.49567 481343.03
3774646.66 1.45772
481393.03 3774646.66 1.41275 481443.03
3774646.66 1.36887
481493.03 3774646.66 1.31897 481543.03
3774646.66 1.27404
480543.03 3774696.66 1.41963 480593.03
3774696.66 1.43044
480643.03 3774696.66 1.45075 480693.03
3774696.66 1.45573
480743.03 3774696.66 1.47147 480793.03
3774696.66 1.48086
480843.03 3774696.66 1.48424 480893.03
3774696.66 1.48075
480943.03 3774696.66 1.48137 480993.03
3774696.66 1.47426
481043.03 3774696.66 1.46086 481093.03
3774696.66 1.44990
481143.03 3774696.66 1.41916 481193.03
3774696.66 1.40557
481243.03 3774696.66 1.35012 481293.03
3774696.66 1.33407
481343.03 3774696.66 1.28929 481393.03
3774696.66 1.24385
481443.03 3774696.66 1.21954 481493.03
3774696.66 1.16670
481543.03 3774696.66 1.11617 480543.03
3774746.66 1.28575
480593.03 3774746.66 1.30300 480643.03
3774746.66 1.30972
480693.03 3774746.66 1.32034 480743.03
3774746.66 1.32782
480793.03 3774746.66 1.33315 480843.03
3774746.66 1.34262
480893.03 3774746.66 1.33668 480943.03
3774746.66 1.33390
480993.03 3774746.66 1.32948 481043.03
3774746.66 1.31212
481093.03 3774746.66 1.30596 481143.03
3774746.66 1.27629
481193.03 3774746.66 1.23414 481243.03
3774746.66 1.20428
481293.03 3774746.66 1.17885 481343.03
3774746.66 1.14494
481393.03 3774746.66 1.10867 481443.03
3774746.66 1.07429
481493.03 3774746.66 1.03314 481543.03
3774746.66 0.99158
480543.03 3774796.66 1.18087 480593.03

3774796.66   1.18334
         480643.03   3774796.66   1.19271   480693.03
3774796.66   1.19392
         480743.03   3774796.66   1.20474   480793.03
3774796.66   1.21477
         480843.03   3774796.66   1.21276   480893.03
3774796.66   1.21533
         480943.03   3774796.66   1.20721   480993.03
3774796.66   1.19443
         481043.03   3774796.66   1.19046   481093.03
3774796.66   1.16412
         481143.03   3774796.66   1.14265   481193.03
3774796.66   1.11061
         481243.03   3774796.66   1.08998   481293.03
3774796.66   1.06435
         481343.03   3774796.66   1.02863   481393.03
3774796.66   1.00315

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                   INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                  L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                  L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                  L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         481443.03   3774796.66   0.96316   481493.03
3774796.66   0.92825
         481543.03   3774796.66   0.88255   480543.03
3774846.66   1.08659

480593.03 3774846.66 1.08604 480643.03
3774846.66 1.09150
480693.03 3774846.66 1.08634 480743.03
3774846.66 1.09775
480793.03 3774846.66 1.11271 480843.03
3774846.66 1.10966
480893.03 3774846.66 1.11109 480943.03
3774846.66 1.09822
480993.03 3774846.66 1.08934 481043.03
3774846.66 1.07406
481093.03 3774846.66 1.04610 481143.03
3774846.66 1.02023
481193.03 3774846.66 1.01237 481243.03
3774846.66 0.98066
481293.03 3774846.66 0.95652 481343.03
3774846.66 0.92477
481393.03 3774846.66 0.89298 481443.03
3774846.66 0.86464
481493.03 3774846.66 0.83570 481543.03
3774846.66 0.79897
480543.03 3774896.66 1.00569 480593.03
3774896.66 1.00176
480643.03 3774896.66 0.99956 480693.03
3774896.66 0.99998
480743.03 3774896.66 1.00603 480793.03
3774896.66 1.01334
480843.03 3774896.66 1.01871 480893.03
3774896.66 1.01532
480943.03 3774896.66 1.00695 480993.03
3774896.66 0.99896
481043.03 3774896.66 0.97744 481093.03
3774896.66 0.94980
481143.03 3774896.66 0.93434 481193.03
3774896.66 0.91168
481243.03 3774896.66 0.89186 481293.03
3774896.66 0.86994
481343.03 3774896.66 0.84392 481393.03
3774896.66 0.81334
481443.03 3774896.66 0.78194 481493.03
3774896.66 0.74872
481543.03 3774896.66 0.72058 480543.03
3774946.66 0.92145
480593.03 3774946.66 0.92924 480643.03
3774946.66 0.92617
480693.03 3774946.66 0.92555 480743.03
3774946.66 0.92825
480793.03 3774946.66 0.93577 480843.03
3774946.66 0.93963
480893.03 3774946.66 0.92992 480943.03
3774946.66 0.92123

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 , L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480993.03	3774946.66	0.90399	481043.03	3774946.66	0.87740
481093.03	3774946.66	0.86465	481143.03	3774946.66	0.84341
481193.03	3774946.66	0.82903	481243.03	3774946.66	0.80904
481293.03	3774946.66	0.78366	481343.03	3774946.66	0.75937
481393.03	3774946.66	0.73400	481443.03	3774946.66	0.70486
481493.03	3774946.66	0.67174	481543.03	3774946.66	0.65748
478170.37	3774040.02	1.13283	478220.37	3774040.02	1.22232
478270.37	3774040.02	1.32744	478320.37	3774040.02	1.44357
478170.37	3774090.02	1.10514	478220.37	3774090.02	1.19128
478270.37	3774090.02	1.29231	478320.37	3774090.02	1.40376
478170.37	3774140.02	1.07654	478220.37	3774140.02	1.15924
478270.37	3774140.02	1.25576	478320.37	3774140.02	1.36218
478170.37	3774190.02	1.04754	478220.37		

3774190.02 1.12747
478270.37 3774190.02 1.21860 478320.37
3774190.02 1.31982
478170.37 3774240.02 1.01851 478220.37
3774240.02 1.09472
478270.37 3774240.02 1.18140 478320.37
3774240.02 1.27741
478370.37 3774240.02 1.38791 478420.37
3774240.02 1.51576
478470.37 3774240.02 1.66037 478520.37
3774240.02 1.83375
478570.37 3774240.02 2.03161 479170.37
3774240.02 19.18367
479220.37 3774240.02 26.76051 479270.37
3774240.02 36.12164
479320.37 3774240.02 40.00225 479370.37
3774240.02 33.56511
479420.37 3774240.02 25.29688 479470.37
3774240.02 19.47405
479520.37 3774240.02 15.40033 479570.37
3774240.02 12.51614
479620.37 3774240.02 10.39422 479670.37
3774240.02 8.75263
479720.37 3774240.02 7.49932 479770.37
3774240.02 6.48586
479820.37 3774240.02 5.68472 479870.37
3774240.02 5.02794
479920.37 3774240.02 4.48279 479970.37
3774240.02 4.18375
478170.37 3774290.02 0.98971 478220.37
3774290.02 1.06226
478270.37 3774290.02 1.14454 478320.37
3774290.02 1.23542
478370.37 3774290.02 1.33966 478420.37
3774290.02 1.45983
478470.37 3774290.02 1.59519 478520.37
3774290.02 1.75667
478570.37 3774290.02 1.93994 479170.37
3774290.02 14.08497
479220.37 3774290.02 17.52088 479270.37
3774290.02 20.64478
479320.37 3774290.02 21.64680 479370.37
3774290.02 19.79834
479420.37 3774290.02 16.60196 479470.37
3774290.02 13.57651
479520.37 3774290.02 11.16846 479570.37
3774290.02 9.36645
479620.37 3774290.02 7.96999 479670.37
3774290.02 6.90086
479720.37 3774290.02 6.04260 479770.37

3774290.02   5.33034
         479820.37   3774290.02   4.75003   479870.37
3774290.02   4.26402
         479920.37   3774290.02   3.83269   479970.37
3774290.02   3.67690
         478170.37   3774340.02   0.96130   478220.37
3774340.02   1.03025
         478270.37   3774340.02   1.10823   478320.37
3774340.02   1.19409
         478370.37   3774340.02   1.29222   478420.37
3774340.02   1.40489
         478470.37   3774340.02   1.53342   478520.37
3774340.02   1.68114
         478570.37   3774340.02   1.85022   479170.37
3774340.02   10.54248
         479220.37   3774340.02   12.24447   479270.37
3774340.02   13.53314

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                  INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                  L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         479320.37   3774340.02   13.90980   479370.37
3774340.02   13.18350
         479420.37   3774340.02   11.75027   479470.37
3774340.02   10.12904
         479520.37   3774340.02   8.61971   479570.37
3774340.02   7.38926
         479620.37   3774340.02   6.38475   479670.37
3774340.02   5.59732

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        479720.37    3774340.02        4.94842                    479770.37
3774340.02        4.42583
        479820.37    3774340.02        3.98641                    479870.37
3774340.02        3.52348
        479920.37    3774340.02        3.18320                    479970.37
3774340.02        2.95186
        478170.37    3774390.02        0.93334                    478220.37
3774390.02        0.99877
        478270.37    3774390.02        1.07254                    478320.37
3774390.02        1.15350
        478370.37    3774390.02        1.24763                    478420.37
3774390.02        1.35102
        478470.37    3774390.02        1.47110                    478520.37
3774390.02        1.60720
        478570.37    3774390.02        1.76249                    479170.37
3774390.02        8.11073
        479220.37    3774390.02        9.02402                    479270.37
3774390.02        9.65341
        479320.37    3774390.02        9.82777                    479370.37
3774390.02        9.47363
        479420.37    3774390.02        8.75097                    479470.37
3774390.02        7.82078
        479520.37    3774390.02        6.89420                    479570.37
3774390.02        6.04243
        479620.37    3774390.02        5.30607                    479670.37
3774390.02        4.68998
        479720.37    3774390.02        4.18265                    479770.37
3774390.02        3.76311
        479820.37    3774390.02        3.28289                    479870.37
3774390.02        2.80800
        479920.37    3774390.02        2.61721                    479970.37
3774390.02        2.40923
        478170.37    3774440.02        0.90584                    478220.37
3774440.02        0.96799
        478270.37    3774440.02        1.03747                    478320.37
3774440.02        1.11362
        478370.37    3774440.02        1.20179                    478420.37
3774440.02        1.29817
        478470.37    3774440.02        1.40946                    478520.37
3774440.02        1.53477
        478570.37    3774440.02        1.67664                    478620.37
3774440.02        1.84290
        478670.37    3774440.02        2.03265                    478720.37
3774440.02        2.25093
        478770.37    3774440.02        2.50465                    478820.37
3774440.02        2.80888
        479320.37    3774440.02        7.37912                    479370.37
3774440.02        7.18656
        479420.37    3774440.02        6.78022                    479470.37
3774440.02        6.22404
```

```
         479520.37    3774440.02        5.63051                      479570.37
3774440.02        5.04461
         479620.37    3774440.02        4.50634                      479670.37
3774440.02        4.03100
         479720.37    3774440.02        3.62384                      479770.37
3774440.02        3.27805
         479820.37    3774440.02        2.78602                      479870.37
3774440.02        2.39543
         479920.37    3774440.02        2.17578                      479970.37
3774440.02        2.04123
         478170.37    3774490.02        0.87876                      478220.37
3774490.02        0.93867
         478270.37    3774490.02        1.00297                      478320.37
3774490.02        1.07440
         478370.37    3774490.02        1.15673                      478420.37
3774490.02        1.24623
         478470.37    3774490.02        1.34895                      478520.37
3774490.02        1.46377
         478570.37    3774490.02        1.59270                      478620.37
3774490.02        1.74330
         478670.37    3774490.02        1.91071                      478720.37
3774490.02        2.10181
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK     ***
                                    INCLUDING SOURCE(S):     L0002885    , L0002886
, L0002887    , L0002888    , L0002889    ,
                  L0002890    , L0002891    , L0002892    , L0002893    , L0002894
, L0002895    , L0002896    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         478749.26    3774487.73        2.23194                      478820.37
3774490.02        2.57665
         479370.37    3774490.02        5.66661                      479420.37
```

3774490.02 5.41779
479470.37 3774490.02 5.06930 479520.37
3774490.02 4.67644
479570.37 3774490.02 4.26407 479620.37
3774490.02 3.87516
479670.37 3774490.02 3.51002 479720.37
3774490.02 3.18767
479770.37 3774490.02 2.84088 479820.37
3774490.02 2.27367
479870.37 3774490.02 2.08796 479920.37
3774490.02 1.90597
479970.37 3774490.02 1.78484 478170.37
3774540.02 0.85263
478220.37 3774540.02 0.90857 478270.37
3774540.02 0.96897
478320.37 3774540.02 1.03577 478370.37
3774540.02 1.11239
478420.37 3774540.02 1.19517 478470.37
3774540.02 1.28955
478520.37 3774540.02 1.39419 478570.37
3774540.02 1.51062
478620.37 3774540.02 1.64518 478670.37
3774540.02 1.79280
478720.37 3774540.02 1.95880 478764.86
3774550.58 2.09092
478807.52 3774552.41 2.25523 479370.37
3774540.02 4.60118
479420.37 3774540.02 4.44131 479470.37
3774540.02 4.21097
479520.37 3774540.02 3.94233 479570.37
3774540.02 3.64926
479620.37 3774540.02 3.36261 479670.37
3774540.02 3.08329
479720.37 3774540.02 2.82899 479770.37
3774540.02 2.43927
479820.37 3774540.02 2.02882 479870.37
3774540.02 1.86403
479920.37 3774540.02 1.70552 479970.37
3774540.02 1.59694
478170.37 3774590.02 0.82686 478220.37
3774590.02 0.87887
478270.37 3774590.02 0.93544 478320.37
3774590.02 0.99914
478370.37 3774590.02 1.06874 478420.37
3774590.02 1.14503
478470.37 3774590.02 1.23212 478520.37
3774590.02 1.32618
478570.37 3774590.02 1.43373 478620.37
3774590.02 1.55022
478670.37 3774590.02 1.67956 478720.37

3774590.02   1.82336
         478776.33   3774602.87   1.96402   478804.31
3774604.25   2.05154
         479370.37   3774590.02   3.82297   479420.37
3774590.02   3.71206
         479470.37   3774590.02   3.55710   479520.37
3774590.02   3.36747
         479570.37   3774590.02   3.15514   479620.37
3774590.02   2.94106
         479670.37   3774590.02   2.72632   479720.37
3774590.02   2.43580
         479770.37   3774590.02   1.96118   479820.37
3774590.02   1.82657
         479870.37   3774590.02   1.68110   479920.37
3774590.02   1.54562
         479970.37   3774590.02   1.42245   478170.37
3774640.02   0.80115
         478220.37   3774640.02   0.84956   478270.37
3774640.02   0.90237
         478320.37   3774640.02   0.96156   478370.37
3774640.02   1.02582
         478420.37   3774640.02   1.09579   478470.37
3774640.02   1.17509
         478520.37   3774640.02   1.25994   478570.37
3774640.02   1.35603
         478620.37   3774640.02   1.45889   478670.37
3774640.02   1.57255

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                  INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                 L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

- -

478720.37 3774640.02 1.69830 478770.37
3774640.02 1.83253
478820.37 3774640.02 1.97870 478870.37
3774640.02 2.13612
479370.37 3774640.02 3.23565 479420.37
3774640.02 3.15792
479470.37 3774640.02 3.04805 479520.37
3774640.02 2.90871
479570.37 3774640.02 2.75364 479620.37
3774640.02 2.58856
479670.37 3774640.02 2.42472 479720.37
3774640.02 2.14912
479770.37 3774640.02 1.76486 479820.37
3774640.02 1.65386
479870.37 3774640.02 1.50260 479920.37
3774640.02 1.41128
479970.37 3774640.02 1.30183 478170.37
3774690.02 0.77546
478220.37 3774690.02 0.82064 478270.37
3774690.02 0.86981
478320.37 3774690.02 0.92485 478370.37
3774690.02 0.98370
478420.37 3774690.02 1.04762 478470.37
3774690.02 1.11951
478520.37 3774690.02 1.19571 478570.37
3774690.02 1.28121
478620.37 3774690.02 1.37163 478670.37
3774690.02 1.47231
478720.37 3774690.02 1.57816 478770.37
3774690.02 1.69149
478820.37 3774690.02 1.81512 478868.71
3774700.63 1.89936
478861.34 3774671.12 1.98738 479026.61
3774722.40 2.18586
479059.05 3774696.65 2.40125 479113.74
3774695.09 2.53449
479370.37 3774690.02 2.77852 479420.37
3774690.02 2.72423
479470.37 3774690.02 2.64406 479520.37
3774690.02 2.53986
479570.37 3774690.02 2.42343 479620.37
3774690.02 2.29627
479670.37 3774690.02 2.16842 479720.37
3774690.02 1.90164
479770.37 3774690.02 1.59556 479820.37
3774690.02 1.47082
479870.37 3774690.02 1.37279 479920.37
3774690.02 1.29452

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         479970.37    3774690.02        1.19291                        478170.37
3774740.02        0.75000
         478220.37    3774740.02        0.79213                        478270.37
3774740.02        0.83776
         478320.37    3774740.02        0.88881                        478370.37
3774740.02        0.94248
         478420.37    3774740.02        1.00088                        478470.37
3774740.02        1.06558
         478520.37    3774740.02        1.13376                        478570.37
3774740.02        1.20956
         478620.37    3774740.02        1.28883                        478670.37
3774740.02        1.37613
         478720.37    3774740.02        1.46671                        478770.37
3774740.02        1.56425
         478820.37    3774740.02        1.66563                        478862.96
3774730.27        1.78697
         479020.37    3774740.02        2.08714                        479070.37
3774740.02        2.18627
         479120.37    3774740.02        2.27257                        479370.37
3774740.02        2.41748
         479420.37    3774740.02        2.37800                        479470.37
3774740.02        2.31785
         479520.37    3774740.02        2.23926                        479570.37
3774740.02        2.14948
         479620.37    3774740.02        2.05076                        479670.37
3774740.02        1.94945
         479720.37    3774740.02        1.52654                        479770.37
3774740.02        1.44756
         479820.37    3774740.02        1.32833                        479870.37
3774740.02        1.25870
         479920.37    3774740.02        1.19167                        479970.37
3774740.02        1.09666
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE 122
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK     ***
                                    INCLUDING SOURCE(S):     L0002885    , L0002886
, L0002887    , L0002888    , L0002889    ,
                 L0002890    , L0002891    , L0002892    , L0002893    , L0002894
, L0002895    , L0002896    ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774790.02	0.72490	478220.37	3774790.02	0.76407
478270.37	3774790.02	0.80628	478320.37	3774790.02	0.85324
478370.37	3774790.02	0.90227	478420.37	3774790.02	0.95672
478470.37	3774790.02	1.01350	478520.37	3774790.02	1.07487
478570.37	3774790.02	1.14137	478620.37	3774790.02	1.21073
478670.37	3774790.02	1.28638	478720.37	3774790.02	1.36395
478770.37	3774790.02	1.44704	478820.37	3774790.02	1.53194
478870.37	3774790.02	1.61919	478920.37	3774790.02	1.70565
478970.37	3774790.02	1.79078	479020.37	3774790.02	1.87409
479070.37	3774790.02	1.95009	479120.37	3774790.02	2.01679
479370.37	3774790.02	2.12678	479420.37	3774790.02	2.09686
479470.37	3774790.02	2.04923	479520.37	3774790.02	1.99042
479570.37	3774790.02	1.91935	479620.37	3774790.02	1.84248
479670.37	3774790.02	1.76137	479720.37	3774790.02	1.38436
479770.37	3774790.02	1.31937	479820.37	3774790.02	1.21622
479870.37	3774790.02	1.15767	479920.37	3774790.02	1.07444
479970.37	3774790.02	1.01625	477970.37	3774840.02	0.57567
478020.37	3774840.02	0.60413	478070.37	3774840.02	0.63397
478120.37	3774840.02	0.66628	478170.37	3774840.02	0.70019
478220.37	3774840.02	0.73652	478270.37	3774840.02	0.77676
478320.37	3774840.02	0.81853	478370.37	3774840.02	0.86319
478420.37	3774840.02	0.91247	478470.37		

3774840.02   0.96343
         478520.37   3774840.02   1.01820   478570.37
3774840.02   1.07680
         478620.37   3774840.02   1.13869   478670.37
3774840.02   1.20303
         478720.37   3774840.02   1.26958   478770.37
3774840.02   1.34024
         478820.37   3774840.02   1.41141   478870.37
3774840.02   1.48386
         478920.37   3774840.02   1.55480   478970.37
3774840.02   1.62383
         479020.37   3774840.02   1.69098   479070.37
3774840.02   1.75095
         479120.37   3774840.02   1.80373   479170.37
3774840.02   1.84667
         479220.37   3774840.02   1.87789   479270.37
3774840.02   1.89507
         479320.37   3774840.02   1.89941   479370.37
3774840.02   1.88832
         479420.37   3774840.02   1.86465   479470.37
3774840.02   1.82814
         479520.37   3774840.02   1.78159   479570.37
3774840.02   1.72567
         479620.37   3774840.02   1.66452   479670.37
3774840.02   1.46291
         479720.37   3774840.02   1.26087   479770.37
3774840.02   1.20701
         479820.37   3774840.02   1.11718   479870.37
3774840.02   1.06778
         479920.37   3774840.02   0.98872   479970.37
3774840.02   0.94414
         477970.37   3774890.02   0.56034   478020.37
3774890.02   0.58625
         478070.37   3774890.02   0.61423   478120.37
3774890.02   0.64441
         478170.37   3774890.02   0.67593   478220.37
3774890.02   0.70953

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                    INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                 L0002890   , L0002891   , L0002892   , L0002893   , L0002894

, L0002895   , L0002896   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478270.37	3774890.02	0.74657	478320.37	3774890.02	0.78477
478370.37	3774890.02	0.82535	478420.37	3774890.02	0.86985
478470.37	3774890.02	0.91552	478520.37	3774890.02	0.96424
478570.37	3774890.02	1.01595	478620.37	3774890.02	1.07012
478670.37	3774890.02	1.12594	478720.37	3774890.02	1.18313
478770.37	3774890.02	1.24336	478820.37	3774890.02	1.30339
478870.37	3774890.02	1.36391	478920.37	3774890.02	1.42254
478970.37	3774890.02	1.47903	479020.37	3774890.02	1.53348
479070.37	3774890.02	1.58160	479120.37	3774890.02	1.62361
479170.37	3774890.02	1.65753	479220.37	3774890.02	1.68204
479270.37	3774890.02	1.69543	479320.37	3774890.02	1.69879
479370.37	3774890.02	1.69004	479420.37	3774890.02	1.67141
479470.37	3774890.02	1.64257	479520.37	3774890.02	1.60502
479570.37	3774890.02	1.56080	479620.37	3774890.02	1.51141
479670.37	3774890.02	1.33314	479720.37	3774890.02	1.15307
479770.37	3774890.02	1.10814	479820.37	3774890.02	1.02936
479870.37	3774890.02	0.98751	479920.37	3774890.02	0.91750
479970.37	3774890.02	0.87909	477970.37	3774940.02	0.54428
478020.37	3774940.02	0.56861	478070.37	3774940.02	0.59480

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         478120.37    3774940.02        0.62292                        478170.37
3774940.02        0.65215
         478220.37    3774940.02        0.68316                        478270.37
3774940.02        0.71718
         478320.37    3774940.02        0.75204                        478370.37
3774940.02        0.78885
         478420.37    3774940.02        0.82899                        478470.37
3774940.02        0.86986
         478520.37    3774940.02        0.91318                        478570.37
3774940.02        0.95884
         478620.37    3774940.02        1.00631                        478670.37
3774940.02        1.05482
         478720.37    3774940.02        1.10409                        478770.37
3774940.02        1.15529
         478820.37    3774940.02        1.20614                        478870.37
3774940.02        1.25738
         478920.37    3774940.02        1.30618                        478970.37
3774940.02        1.35278
         479020.37    3774940.02        1.39737                        479070.37
3774940.02        1.43642
         479120.37    3774940.02        1.47027                        479170.37
3774940.02        1.49743
         479220.37    3774940.02        1.51696                        479270.37
3774940.02        1.52755
         479320.37    3774940.02        1.53019                        479370.37
3774940.02        1.52317
         479420.37    3774940.02        1.50830                        479470.37
3774940.02        1.48519
         479520.37    3774940.02        1.45495                        479570.37
3774940.02        1.41914
         479620.37    3774940.02        1.37884                        479670.37
3774940.02        1.22000
         479720.37    3774940.02        1.05852                        479770.37
3774940.02        0.99352
         479820.37    3774940.02        0.95124                        479870.37
3774940.02        0.91562
         479920.37    3774940.02        0.85333                        479970.37
3774940.02        0.82018
         477970.37    3774990.02        0.52844                        478020.37
3774990.02        0.55125
         478070.37    3774990.02        0.57570                        478120.37
3774990.02        0.60186
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***

INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 , L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774990.02	0.62891	478220.37	3774990.02	0.65747
478270.37	3774990.02	0.68865	478320.37	3774990.02	0.72042
478370.37	3774990.02	0.75377	478420.37	3774990.02	0.78994
478470.37	3774990.02	0.82652	478520.37	3774990.02	0.86505
478570.37	3774990.02	0.90540	478620.37	3774990.02	0.94706
478670.37	3774990.02	0.98933	478720.37	3774990.02	1.03193
478770.37	3774990.02	1.07581	478820.37	3774990.02	1.11912
478870.37	3774990.02	1.16203	478920.37	3774990.02	1.20343
478970.37	3774990.02	1.24218	479020.37	3774990.02	1.27901
479070.37	3774990.02	1.31102	479120.37	3774990.02	1.33861
479170.37	3774990.02	1.36063	479220.37	3774990.02	1.37638
479270.37	3774990.02	1.38487	479320.37	3774990.02	1.38698
479370.37	3774990.02	1.38127	479420.37	3774990.02	1.36924
479470.37	3774990.02	1.35049	479520.37	3774990.02	1.32586
479570.37	3774990.02	1.29654	479620.37	3774990.02	1.26334
479670.37	3774990.02	1.12084	479720.37	3774990.02	0.97521
479770.37	3774990.02	0.92590	479820.37		

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3774990.02        0.88153
         479870.37    3774990.02        0.85106                    479920.37
3774990.02        0.79535
         479970.37    3774990.02        0.76667                    477970.37
3775040.02        0.51284
         478020.37    3775040.02        0.53418                    478070.37
3775040.02        0.55698
         478120.37    3775040.02        0.58126                    478170.37
3775040.02        0.60625
         478220.37    3775040.02        0.63251                    478270.37
3775040.02        0.66106
         478320.37    3775040.02        0.68997                    478370.37
3775040.02        0.72017
         478420.37    3775040.02        0.75275                    478470.37
3775040.02        0.78550
         478520.37    3775040.02        0.81980                    478570.37
3775040.02        0.85551
         478620.37    3775040.02        0.89215                    478670.37
3775040.02        0.92908
         478720.37    3775040.02        0.96604                    478770.37
3775040.02        1.00387
         478820.37    3775040.02        1.04093                    478870.37
3775040.02        1.07784
         478920.37    3775040.02        1.11234                    478970.37
3775040.02        1.14480
         479020.37    3775040.02        1.17549                    479070.37
3775040.02        1.20197
         479120.37    3775040.02        1.22468                    479170.37
3775040.02        1.24272
         479220.37    3775040.02        1.25558                    479270.37
3775040.02        1.26247
         479320.37    3775040.02        1.26417                    479370.37
3775040.02        1.25948
         479420.37    3775040.02        1.24963                    479470.37
3775040.02        1.23424
         479520.37    3775040.02        1.21458                    479570.37
3775040.02        1.18981
         479620.37    3775040.02        1.16215                    479670.37
3775040.02        1.05019
         479720.37    3775040.02        0.90147                    479770.37
3775040.02        0.87059
         479820.37    3775040.02        0.81914                    479870.37
3775040.02        0.79295
         479920.37    3775040.02        0.74286                    479970.37
3775040.02        0.71796
         477970.37    3775090.02        0.49751                    478020.37
3775090.02        0.51744
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***

INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 , L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478070.37	3775090.02	0.53865	478120.37	3775090.02	0.56116
478170.37	3775090.02	0.58422	478220.37	3775090.02	0.60834
478270.37	3775090.02	0.63445	478320.37	3775090.02	0.66075
478370.37	3775090.02	0.68808	478420.37	3775090.02	0.71745
478470.37	3775090.02	0.74678	478520.37	3775090.02	0.77735
478570.37	3775090.02	0.80902	478620.37	3775090.02	0.84132
478670.37	3775090.02	0.87367	478720.37	3775090.02	0.90585
478770.37	3775090.02	0.93802	478820.37	3775090.02	0.97046
478870.37	3775090.02	1.00201	478920.37	3775090.02	1.03128
478970.37	3775090.02	1.05867	479020.37	3775090.02	1.08443
479070.37	3775090.02	1.10653	479120.37	3775090.02	1.12540
479170.37	3775090.02	1.14033	479220.37	3775090.02	1.15094
479270.37	3775090.02	1.15659	479320.37	3775090.02	1.15798
479370.37	3775090.02	1.15408	479420.37	3775090.02	1.14612

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         479470.37    3775090.02        1.13317                    479520.37
3775090.02        1.11685
         479570.37    3775090.02        1.09662                    479620.37
3775090.02        1.07300
         479670.37    3775090.02        1.04725                    479720.37
3775090.02        0.83592
         479770.37    3775090.02        0.78529                    479820.37
3775090.02        0.76313
         479870.37    3775090.02        0.73372                    479920.37
3775090.02        0.69525
         479970.37    3775090.02        0.67355                    477970.37
3775140.02        0.48246
         478020.37    3775140.02        0.50105                    478070.37
3775140.02        0.52076
         478120.37    3775140.02        0.54160                    478170.37
3775140.02        0.56285
         478220.37    3775140.02        0.58498                    478270.37
3775140.02        0.60886
         478320.37    3775140.02        0.63278                    478370.37
3775140.02        0.65753
         478420.37    3775140.02        0.68401                    478470.37
3775140.02        0.71032
         478520.37    3775140.02        0.73761                    478570.37
3775140.02        0.76574
         478620.37    3775140.02        0.79428                    478670.37
3775140.02        0.82271
         478720.37    3775140.02        0.85081                    478770.37
3775140.02        0.87861
         478820.37    3775140.02        0.90679                    478870.37
3775140.02        0.93355
         478920.37    3775140.02        0.95888                    478970.37
3775140.02        0.98213
         479020.37    3775140.02        1.00393                    479070.37
3775140.02        1.02251
         479120.37    3775140.02        1.03832                    479170.37
3775140.02        1.05079
         479220.37    3775140.02        1.05963                    479270.37
3775140.02        1.06431
         479320.37    3775140.02        1.06545                    479370.37
3775140.02        1.06218
         479420.37    3775140.02        1.05557                    479470.37
3775140.02        1.04498
         479520.37    3775140.02        1.03102                    479570.37
3775140.02        1.01412
         479620.37    3775140.02        0.99406                    479670.37
3775140.02        0.97222
         479720.37    3775140.02        0.77741                    479770.37
3775140.02        0.73182
         479820.37    3775140.02        0.71269                    479870.37
3775140.02        0.68510
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886
, L0002887 , L0002888 , L0002889 ,
L0002890 , L0002891 , L0002892 , L0002893 , L0002894
, L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
477970.37	3775190.02	0.46772	478020.37	3775190.02	0.48504
478070.37	3775190.02	0.50334	478120.37	3775190.02	0.52261
478170.37	3775190.02	0.54218	478220.37	3775190.02	0.56248
478270.37	3775190.02	0.58431	478320.37	3775190.02	0.60607
478370.37	3775190.02	0.62849	478420.37	3775190.02	0.65240
478470.37	3775190.02	0.67602	478520.37	3775190.02	0.70043
478570.37	3775190.02	0.72547	478620.37	3775190.02	0.75076
478670.37	3775190.02	0.77581	478720.37	3775190.02	0.80044
478770.37	3775190.02	0.82467	478820.37	3775190.02	0.84913
478870.37	3775190.02	0.87182	478920.37	3775190.02	0.89398
478970.37	3775190.02	0.91384	479020.37	3775190.02	0.93240
479070.37	3775190.02	0.94814	479120.37		

3775190.02 0.96150
479170.37 3775190.02 0.97200 479220.37
3775190.02 0.97942
479270.37 3775190.02 0.98332 479320.37
3775190.02 0.98428
479370.37 3775190.02 0.98150 479420.37
3775190.02 0.97595
479470.37 3775190.02 0.96729 479520.37
3775190.02 0.95522
479570.37 3775190.02 0.94101 479620.37
3775190.02 0.92385
479670.37 3775190.02 0.90521 479720.37
3775190.02 0.72498
479770.37 3775190.02 0.68372 479820.37
3775190.02 0.66714
479870.37 3775190.02 0.62917 479920.37
3775190.02 0.61260
479970.37 3775190.02 0.58401 477970.37
3775240.02 0.45331
478020.37 3775240.02 0.46943 478070.37
3775240.02 0.48640
478120.37 3775240.02 0.50421 478170.37
3775240.02 0.52223
478220.37 3775240.02 0.54085 478270.37
3775240.02 0.56081
478320.37 3775240.02 0.58062 478370.37
3775240.02 0.60095
478420.37 3775240.02 0.62256 478470.37
3775240.02 0.64381
478520.37 3775240.02 0.66568 478570.37
3775240.02 0.68802
478620.37 3775240.02 0.71005 478670.37
3775240.02 0.73261
478720.37 3775240.02 0.75426 478770.37
3775240.02 0.77547
478820.37 3775240.02 0.79679 478870.37
3775240.02 0.81646
478920.37 3775240.02 0.83560 478970.37
3775240.02 0.85266
479020.37 3775240.02 0.86856 479070.37
3775240.02 0.88199
479120.37 3775240.02 0.89335 479170.37
3775240.02 0.90226
479220.37 3775240.02 0.90854 479270.37
3775240.02 0.91183
479320.37 3775240.02 0.91262 479370.37
3775240.02 0.91026
479420.37 3775240.02 0.90555 479470.37
3775240.02 0.89784
479520.37 3775240.02 0.88792 479570.37

3775240.02   0.87567
        479620.37   3775240.02   0.86110   479670.37
3775240.02   0.78430
        479720.37   3775240.02   0.67784   479770.37
3775240.02   0.64032
        479820.37   3775240.02   0.62589   479870.37
3775240.02   0.59124

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                  INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                 L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        479920.37   3775240.02   0.57667   479970.37
3775240.02   0.55065
        477970.37   3775290.02   0.43867   478020.37
3775290.02   0.45423
        478070.37   3775290.02   0.46997   478120.37
3775290.02   0.48643
        478170.37   3775290.02   0.50301   478220.37
3775290.02   0.52010
        478270.37   3775290.02   0.53836   478320.37
3775290.02   0.55641
        478370.37   3775290.02   0.57486   478420.37
3775290.02   0.59442
        478470.37   3775290.02   0.61357   478520.37
3775290.02   0.63320
        478570.37   3775290.02   0.65317   478620.37
3775290.02   0.67268
        478670.37   3775290.02   0.69278   478720.37
3775290.02   0.71188

```
        478770.37    3775290.02        0.73051                    478820.37
3775290.02        0.74897
        478870.37    3775290.02        0.76629                    478920.37
3775290.02        0.78290
        478970.37    3775290.02        0.79764                    479020.37
3775290.02        0.81134
        479070.37    3775290.02        0.82286                    479120.37
3775290.02        0.83259
        479170.37    3775290.02        0.84020                    479220.37
3775290.02        0.84556
        479270.37    3775290.02        0.84835                    479320.37
3775290.02        0.84902
        479370.37    3775290.02        0.84699                    479420.37
3775290.02        0.84296
        479470.37    3775290.02        0.83627                    479520.37
3775290.02        0.82787
        479570.37    3775290.02        0.81701                    479620.37
3775290.02        0.80481
        479670.37    3775290.02        0.72162                    479720.37
3775290.02        0.62722
        479770.37    3775290.02        0.60102                    479820.37
3775290.02        0.58841
        479870.37    3775290.02        0.55669                    479920.37
3775290.02        0.54349
        479970.37    3775290.02        0.51541                    477970.37
3775340.02        0.42501
        478020.37    3775340.02        0.43948                    478070.37
3775340.02        0.45386
        478120.37    3775340.02        0.46928                    478170.37
3775340.02        0.48455
        478220.37    3775340.02        0.50023                    478270.37
3775340.02        0.51687
        478320.37    3775340.02        0.53341                    478370.37
3775340.02        0.55018
        478420.37    3775340.02        0.56791                    478470.37
3775340.02        0.58519
        478520.37    3775340.02        0.60284                    478570.37
3775340.02        0.62074
        478620.37    3775340.02        0.63814                    478670.37
3775340.02        0.65597
        478720.37    3775340.02        0.67292                    478770.37
3775340.02        0.68933
        478820.37    3775340.02        0.70572                    478870.37
3775340.02        0.72069
        478920.37    3775340.02        0.73518                    478970.37
3775340.02        0.74798
        479020.37    3775340.02        0.75985                    479070.37
3775340.02        0.76980
        479120.37    3775340.02        0.77818                    479170.37
3775340.02        0.78472
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 , L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479220.37	3775340.02	0.78931	479270.37	3775340.02	0.79169
479320.37	3775340.02	0.79227	479370.37	3775340.02	0.79051
479420.37	3775340.02	0.78705	479470.37	3775340.02	0.78129
479520.37	3775340.02	0.77404	479570.37	3775340.02	0.76465
479620.37	3775340.02	0.75410	479670.37	3775340.02	0.67693
479720.37	3775340.02	0.58917	479770.37	3775340.02	0.56534
479820.37	3775340.02	0.55428	479870.37	3775340.02	0.52514
479920.37	3775340.02	0.51343	479970.37	3775340.02	0.48753
477970.37	3775390.02	0.41173	478020.37	3775390.02	0.42519
478070.37	3775390.02	0.43850	478120.37	3775390.02	0.45276
478170.37	3775390.02	0.46683	478220.37	3775390.02	0.48123
478270.37	3775390.02	0.49596	478320.37	3775390.02	0.51158
478370.37	3775390.02	0.52685	478420.37		

3775390.02 0.54294
478470.37 3775390.02 0.55856 478520.37
3775390.02 0.57429
478570.37 3775390.02 0.59054 478620.37
3775390.02 0.60610
478670.37 3775390.02 0.62196 478720.37
3775390.02 0.63704
478770.37 3775390.02 0.65155 478820.37
3775390.02 0.66600
478870.37 3775390.02 0.67914 478920.37
3775390.02 0.69183
478970.37 3775390.02 0.70300 479020.37
3775390.02 0.71334
479070.37 3775390.02 0.72197 479120.37
3775390.02 0.72923
479170.37 3775390.02 0.73489 479220.37
3775390.02 0.73886
479270.37 3775390.02 0.74090 479320.37
3775390.02 0.74139
479370.37 3775390.02 0.73986 479420.37
3775390.02 0.73687
479470.37 3775390.02 0.73187 479520.37
3775390.02 0.72560
479570.37 3775390.02 0.71763 479620.37
3775390.02 0.68943
479670.37 3775390.02 0.57214 479720.37
3775390.02 0.55461
479770.37 3775390.02 0.53284 479820.37
3775390.02 0.51367
479870.37 3775390.02 0.49625 479920.37
3775390.02 0.47446
479970.37 3775390.02 0.46188 477970.37
3775440.02 0.39884
478020.37 3775440.02 0.41119 478070.37
3775440.02 0.42370
478120.37 3775440.02 0.43636 478170.37
3775440.02 0.44985
478220.37 3775440.02 0.46309 478270.37
3775440.02 0.47659
478320.37 3775440.02 0.49081 478370.37
3775440.02 0.50480
478420.37 3775440.02 0.51886 478470.37
3775440.02 0.53358
478520.37 3775440.02 0.54773 478570.37
3775440.02 0.56240
478620.37 3775440.02 0.57635 478670.37
3775440.02 0.59024
478720.37 3775440.02 0.60394 478770.37
3775440.02 0.61681
478820.37 3775440.02 0.62960 478870.37

3775440.02 0.64160
478920.37 3775440.02 0.65234 478970.37
3775440.02 0.66213
479020.37 3775440.02 0.67118 479070.37
3775440.02 0.67871
479120.37 3775440.02 0.68503 479170.37
3775440.02 0.68995
479220.37 3775440.02 0.69340 479270.37
3775440.02 0.69516
479320.37 3775440.02 0.69559 479370.37
3775440.02 0.69425
479420.37 3775440.02 0.69164 479470.37
3775440.02 0.68729
479520.37 3775440.02 0.68182 479570.37
3775440.02 0.67491
479620.37 3775440.02 0.64888 479670.37
3775440.02 0.53767

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 ,
L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479720.37	3775440.02	0.51752	479770.37	3775440.02	0.50299
479820.37	3775440.02	0.48103	479870.37	3775440.02	0.46737
479920.37	3775440.02	0.44709	479970.37	3775440.02	0.43824
477970.37	3775490.02	0.38635	478020.37	3775490.02	0.39750

478070.37 3775490.02 0.40940 478120.37
3775490.02 0.42114
478170.37 3775490.02 0.43344 478220.37
3775490.02 0.44579
478270.37 3775490.02 0.45817 478320.37
3775490.02 0.47110
478370.37 3775490.02 0.48397 478420.37
3775490.02 0.49676
478470.37 3775490.02 0.51012 478520.37
3775490.02 0.52292
478570.37 3775490.02 0.53615 478620.37
3775490.02 0.54868
478670.37 3775490.02 0.56113 478720.37
3775490.02 0.57336
478770.37 3775490.02 0.58481 478820.37
3775490.02 0.59617
478870.37 3775490.02 0.60679 478920.37
3775490.02 0.61627
478970.37 3775490.02 0.62488 479020.37
3775490.02 0.63283
479070.37 3775490.02 0.63944 479120.37
3775490.02 0.64497
479170.37 3775490.02 0.64927 479220.37
3775490.02 0.65228
479270.37 3775490.02 0.65381 479320.37
3775490.02 0.65418
479370.37 3775490.02 0.65300 479420.37
3775490.02 0.65072
479470.37 3775490.02 0.64690 479520.37
3775490.02 0.64212
479570.37 3775490.02 0.63606 479620.37
3775490.02 0.61201
479670.37 3775490.02 0.50760 479720.37
3775490.02 0.48307
479770.37 3775490.02 0.47565 479820.37
3775490.02 0.45304
479870.37 3775490.02 0.43939 479920.37
3775490.02 0.42435
479970.37 3775490.02 0.41537 477970.37
3775540.02 0.37428
478020.37 3775540.02 0.38464 478070.37
3775540.02 0.39541
478120.37 3775540.02 0.40656 478170.37
3775540.02 0.41765
478220.37 3775540.02 0.42930 478270.37
3775540.02 0.44067
478320.37 3775540.02 0.45224 478370.37
3775540.02 0.46429
478420.37 3775540.02 0.47593 478470.37
3775540.02 0.48797

```
         478520.37    3775540.02        0.49969                      478570.37
3775540.02        0.51165
         478620.37    3775540.02        0.52293                      478670.37
3775540.02        0.53397
         478720.37    3775540.02        0.54506                      478770.37
3775540.02        0.55528
         478820.37    3775540.02        0.56540                      478870.37
3775540.02        0.57457
         478920.37    3775540.02        0.58323                      478970.37
3775540.02        0.59084
         479020.37    3775540.02        0.59786                      479070.37
3775540.02        0.60367
         479120.37    3775540.02        0.60854                      479170.37
3775540.02        0.61231
         479220.37    3775540.02        0.61495                      479270.37
3775540.02        0.61629
         479320.37    3775540.02        0.61661                      479370.37
3775540.02        0.61556
         479420.37    3775540.02        0.61356                      479470.37
3775540.02        0.61020
         479520.37    3775540.02        0.60599                      479570.37
3775540.02        0.60066
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK     ***
                                    INCLUDING SOURCE(S):     L0002885    , L0002886
, L0002887    , L0002888    , L0002889    ,
                  L0002890    , L0002891    , L0002892    , L0002893    , L0002894
, L0002895    , L0002896    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         479620.37    3775540.02        0.57836                      479670.37
3775540.02        0.48012
         479720.37    3775540.02        0.45732                      479770.37
```

3775540.02 0.43902
479820.37 3775540.02 0.42972 479870.37
3775540.02 0.41021
479920.37 3775540.02 0.40323 479970.37
3775540.02 0.38667
478861.36 3774619.36 2.19217 478791.49
3774517.73 2.31652
478789.65 3774444.30 2.59831 478748.80
3774449.81 2.35698
479103.48 3774681.38 2.60420 479094.51
3774696.20 2.48591
479077.34 3774696.98 2.44241 479101.53
3774731.70 2.28755
479782.92 3774151.51 8.24484 479890.06
3774169.23 5.77279
479890.06 3774137.17 6.09635 479913.68
3774138.01 5.71120
479911.15 3774168.38 5.47105 479885.84
3774064.62 6.38958
480398.50 3774179.13 2.97506 480448.50
3774179.13 2.80726
480498.50 3774179.13 2.64569 479998.50
3774229.13 4.53741
480048.50 3774229.13 4.17655 480098.50
3774229.13 3.89224
480148.50 3774229.13 3.60181 480198.50
3774229.13 3.35592
480248.50 3774229.13 3.15454 480298.50
3774229.13 2.96900
480348.50 3774229.13 2.79502 480398.50
3774229.13 2.64939
480448.50 3774229.13 2.49797 480498.50
3774229.13 2.37769
479998.50 3774279.13 3.69504 480048.50
3774279.13 3.43552
480098.50 3774279.13 3.21534 480148.50
3774279.13 3.00937
480198.50 3774279.13 2.83627 480248.50
3774279.13 2.67158
480298.50 3774279.13 2.52840 480348.50
3774279.13 2.39824
480398.50 3774279.13 2.27920 480448.50
3774279.13 2.16412
480498.50 3774279.13 2.06207 479998.50
3774329.13 2.97313
480048.50 3774329.13 2.78822 480098.50
3774329.13 2.61899
480148.50 3774329.13 2.47611 480198.50
3774329.13 2.34072
480248.50 3774329.13 2.22383 480298.50

3774329.13   2.11511
         480348.50   3774329.13   2.01611   480398.50
3774329.13   1.92496
         480448.50   3774329.13   1.84087   480498.50
3774329.13   1.76294
         479998.50   3774379.13   2.42687   480048.50
3774379.13   2.28368
         480098.50   3774379.13   2.14683   480148.50
3774379.13   2.04287
         480198.50   3774379.13   1.93090   480248.50
3774379.13   1.84689
         480298.50   3774379.13   1.76203   480348.50
3774379.13   1.68736
         480398.50   3774379.13   1.62139   480448.50
3774379.13   1.55329
         480498.50   3774379.13   1.49490   479998.50
3774429.13   2.04063
         480048.50   3774429.13   1.89859   480098.50
3774429.13   1.79898
         480148.50   3774429.13   1.70283   480198.50
3774429.13   1.61707
         480248.50   3774429.13   1.55156   480298.50
3774429.13   1.48110
         480348.50   3774429.13   1.42141   480398.50
3774429.13   1.36247
         480448.50   3774429.13   1.31404   480498.50
3774429.13   1.26879

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                  INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                 L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

- -

479998.50	3774479.13	1.75974	480048.50	3774479.13	1.63437
480098.50	3774479.13	1.55111	480148.50	3774479.13	1.46003
480198.50	3774479.13	1.38707	480248.50	3774479.13	1.33080
480298.50	3774479.13	1.26135	480348.50	3774479.13	1.21680
480398.50	3774479.13	1.16207	480448.50	3774479.13	1.12489
480498.50	3774479.13	1.08397	479998.50	3774529.13	1.55202
480048.50	3774529.13	1.45005	480098.50	3774529.13	1.37056
480148.50	3774529.13	1.27823	480198.50	3774529.13	1.22055
480248.50	3774529.13	1.16708	480298.50	3774529.13	1.10400
480348.50	3774529.13	1.06332	480398.50	3774529.13	1.01304
480448.50	3774529.13	0.98029	480498.50	3774529.13	0.93849
479998.50	3774579.13	1.39373	480048.50	3774579.13	1.31136
480098.50	3774579.13	1.21330	480148.50	3774579.13	1.15164
480198.50	3774579.13	1.09772	480248.50	3774579.13	1.03055
480298.50	3774579.13	0.98776	480348.50	3774579.13	0.93700
480398.50	3774579.13	0.90138	480448.50	3774579.13	0.86523
480498.50	3774579.13	0.83198	479998.50	3774629.13	1.27142
480048.50	3774629.13	1.19674	480098.50	3774629.13	1.10957
480148.50	3774629.13	1.05335	480198.50	3774629.13	0.99085
480248.50	3774629.13	0.93908	480298.50	3774629.13	0.88702
480348.50	3774629.13	0.84895	480398.50	3774629.13	0.81749
480448.50	3774629.13	0.77659	480498.50	3774629.13	0.74480
479998.50	3774679.13	1.17045	480048.50	3774679.13	1.09884
480098.50	3774679.13	1.02342	480148.50	3774679.13	0.97163

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         480198.50    3774679.13        0.90723                      480248.50
3774679.13        0.86529
         480298.50    3774679.13        0.81463                      480348.50
3774679.13        0.78162
         480398.50    3774679.13        0.74024                      480448.50
3774679.13        0.71258
         480498.50    3774679.13        0.67876                      479998.50
3774729.13        1.08235
         480048.50    3774729.13        1.00389                      480098.50
3774729.13        0.95009
         480148.50    3774729.13        0.89153                      480198.50
3774729.13        0.84366
         480248.50    3774729.13        0.79145                      480298.50
3774729.13        0.75771
         480348.50    3774729.13        0.72355                      480398.50
3774729.13        0.68746
         480448.50    3774729.13        0.65594                      480498.50
3774729.13        0.62964
         479998.50    3774779.13        1.00420                      480048.50
3774779.13        0.92961
         480098.50    3774779.13        0.88561                      480148.50
3774779.13        0.83224
         480198.50    3774779.13        0.78354                      480248.50
3774779.13        0.73929
         480298.50    3774779.13        0.70897                      480348.50
3774779.13        0.66862
         480398.50    3774779.13        0.64340                      480448.50
3774779.13        0.61224
         480498.50    3774779.13        0.58899                      479998.50
3774829.13        0.93253
         480048.50    3774829.13        0.86713                      480098.50
3774829.13        0.82806
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:39:05

                                 PAGE 132
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK     ***
                                 INCLUDING SOURCE(S):     L0002885    , L0002886
, L0002887    , L0002888    , L0002889    ,
                 L0002890    , L0002891    , L0002892    , L0002893    , L0002894
, L0002895    , L0002896    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480148.50	3774829.13	0.77953	480198.50	3774829.13	0.73486
480248.50	3774829.13	0.69400	480298.50	3774829.13	0.66617
480348.50	3774829.13	0.62846	480398.50	3774829.13	0.60513
480448.50	3774829.13	0.57386	480498.50	3774829.13	0.55169
479998.50	3774879.13	0.85568	480048.50	3774879.13	0.81076
480098.50	3774879.13	0.77614	480148.50	3774879.13	0.73213
480198.50	3774879.13	0.69460	480248.50	3774879.13	0.65408
480298.50	3774879.13	0.62801	480348.50	3774879.13	0.59275
480398.50	3774879.13	0.56392	480448.50	3774879.13	0.54180
480498.50	3774879.13	0.52110	479998.50	3774929.13	0.79933
480048.50	3774929.13	0.75954	480098.50	3774929.13	0.72895
480148.50	3774929.13	0.68308	480198.50	3774929.13	0.65598
480248.50	3774929.13	0.61769	480298.50	3774929.13	0.59362
480348.50	3774929.13	0.56067	480398.50	3774929.13	0.53163
480448.50	3774929.13	0.51303	480498.50	3774929.13	0.48818
479998.50	3774979.13	0.74803	480048.50	3774979.13	0.71277
480098.50	3774979.13	0.68580	480148.50	3774979.13	0.64413
480198.50	3774979.13	0.61974	480248.50	3774979.13	0.58448
480298.50	3774979.13	0.56239	480348.50	3774979.13	0.53163
480398.50	3774979.13	0.50436	480448.50	3774979.13	0.48702
480498.50	3774979.13	0.46354	479998.50	3775029.13	0.70122
480048.50	3775029.13	0.66990	480098.50		

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3775029.13        0.64615
         480148.50    3775029.13        0.60831                        480198.50
3775029.13        0.58644
         480248.50    3775029.13        0.55406                        480298.50
3775029.13        0.53383
         480348.50    3775029.13        0.50517                        480398.50
3775029.13        0.47959
         480448.50    3775029.13        0.46337                        480498.50
3775029.13        0.44114
         479998.50    3775079.13        0.65842                        480048.50
3775079.13        0.63052
         480098.50    3775079.13        0.60960                        480148.50
3775079.13        0.57521
         480198.50    3775079.13        0.55567                        480248.50
3775079.13        0.53667
         480298.50    3775079.13        0.50754                        480348.50
3775079.13        0.48091
         480398.50    3775079.13        0.45697                        480448.50
3775079.13        0.43710
         480498.50    3775079.13        0.41877                        479998.50
3775129.13        0.61854
         480048.50    3775129.13        0.59428                        480098.50
3775129.13        0.57583
         480148.50    3775129.13        0.54451                        480198.50
3775129.13        0.52675
         480248.50    3775129.13        0.50890                        480298.50
3775129.13        0.48317
         480348.50    3775129.13        0.45605                        480398.50
3775129.13        0.43579
         480448.50    3775129.13        0.41724                        480498.50
3775129.13        0.39974
         479998.50    3775179.13        0.57725                        480048.50
3775179.13        0.56089
         480098.50    3775179.13        0.53494                        480148.50
3775179.13        0.51599
         480198.50    3775179.13        0.49732                        480248.50
3775179.13        0.47512
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE 133
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK     ***
                                    INCLUDING SOURCE(S):     L0002885    , L0002886
, L0002887    , L0002888    , L0002889    ,
                 L0002890    , L0002891    , L0002892    , L0002893    , L0002894
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, L0002895   , L0002896   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480298.50	3775179.13	0.45372	480348.50	3775179.13	0.43118
480398.50	3775179.13	0.41656	480448.50	3775179.13	0.39396
480498.50	3775179.13	0.37886	479998.50	3775229.13	0.54459
480048.50	3775229.13	0.53011	480098.50	3775229.13	0.50386
480148.50	3775229.13	0.48944	480198.50	3775229.13	0.47396
480248.50	3775229.13	0.45256	480298.50	3775229.13	0.43088
480348.50	3775229.13	0.41083	480398.50	3775229.13	0.39234
480448.50	3775229.13	0.37662	480498.50	3775229.13	0.36266
479998.50	3775279.13	0.51458	480048.50	3775279.13	0.50171
480098.50	3775279.13	0.47758	480148.50	3775279.13	0.46471
480198.50	3775279.13	0.44954	480248.50	3775279.13	0.43103
480298.50	3775279.13	0.41343	480348.50	3775279.13	0.39095
480398.50	3775279.13	0.37553	480448.50	3775279.13	0.35919
480498.50	3775279.13	0.34700	479998.50	3775329.13	0.48697
480048.50	3775329.13	0.47548	480098.50	3775329.13	0.45321
480148.50	3775329.13	0.44169	480198.50	3775329.13	0.42304
480248.50	3775329.13	0.41098	480298.50	3775329.13	0.38847
480348.50	3775329.13	0.37406	480398.50	3775329.13	0.35590
480448.50	3775329.13	0.34483	480498.50	3775329.13	0.33046

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         479998.50    3775379.13        0.46153                        480048.50
3775379.13        0.44781
         480098.50    3775379.13        0.43010                        480148.50
3775379.13        0.42024
         480198.50    3775379.13        0.40062                        480248.50
3775379.13        0.38478
         480298.50    3775379.13        0.36706                        480348.50
3775379.13        0.35325
         480398.50    3775379.13        0.34005                        480448.50
3775379.13        0.32749
         480498.50    3775379.13        0.31532                        479998.50
3775429.13        0.43734
         480048.50    3775429.13        0.41803                        480098.50
3775429.13        0.40915
         480148.50    3775429.13        0.39433                        480198.50
3775429.13        0.38012
         480248.50    3775429.13        0.36077                        480298.50
3775429.13        0.34825
         480348.50    3775429.13        0.33352                        480398.50
3775429.13        0.32150
         480448.50    3775429.13        0.31343                        480498.50
3775429.13        0.30172
         479998.50    3775479.13        0.40960                        480048.50
3775479.13        0.39772
         480098.50    3775479.13        0.38969                        480148.50
3775479.13        0.37317
         480198.50    3775479.13        0.35661                        480248.50
3775479.13        0.33999
         480298.50    3775479.13        0.32670                        480348.50
3775479.13        0.31563
         480398.50    3775479.13        0.30512                        480448.50
3775479.13        0.29773
         480498.50    3775479.13        0.28672                        480254.72
3774120.37        3.98345
         480287.52    3774147.62        3.64346                        480349.09
3774140.55        3.40312
         480381.90    3774044.67        3.52127                        480443.97
3774003.79        3.22743
         480407.64    3774005.81        3.37870                        480390.48
3774008.33        3.45059
         480543.03    3774446.66        1.16096                        480593.03
3774446.66        1.11851
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                        ***       10:39:05

                                  PAGE 134
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***

INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 , L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480643.03	3774446.66	1.08713	480693.03	3774446.66	1.05175
480743.03	3774446.66	1.02308	480793.03	3774446.66	0.99070
480843.03	3774446.66	0.96592	480893.03	3774446.66	0.93984
480943.03	3774446.66	0.91445	480993.03	3774446.66	0.89268
481043.03	3774446.66	0.86921	481093.03	3774446.66	0.84778
481143.03	3774446.66	0.82579	481193.03	3774446.66	0.80505
481243.03	3774446.66	0.78518	481293.03	3774446.66	0.76522
481343.03	3774446.66	0.74559	481393.03	3774446.66	0.72993
481443.03	3774446.66	0.71202	480543.03	3774496.66	0.99966
480593.03	3774496.66	0.96251	480643.03	3774496.66	0.93682
480693.03	3774496.66	0.90598	480743.03	3774496.66	0.88103
480793.03	3774496.66	0.85674	480843.03	3774496.66	0.83753
480893.03	3774496.66	0.81636	480943.03	3774496.66	0.79571
480993.03	3774496.66	0.77494	481043.03	3774496.66	0.75793
481093.03	3774496.66	0.74207	481143.03	3774496.66	0.72342
481193.03	3774496.66	0.70502	481243.03	3774496.66	0.69115
481293.03	3774496.66	0.67459	481343.03		

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3774496.66        0.65823
         481393.03    3774496.66        0.64239                        481443.03
3774496.66        0.63111
         481493.03    3774496.66        0.61631                        480543.03
3774546.66        0.86916
         480593.03    3774546.66        0.84095                        480643.03
3774546.66        0.81861
         480693.03    3774546.66        0.79094                        480743.03
3774546.66        0.76927
         480793.03    3774546.66        0.74819                        480843.03
3774546.66        0.73234
         480893.03    3774546.66        0.71084                        480943.03
3774546.66        0.69640
         480993.03    3774546.66        0.67811                        481043.03
3774546.66        0.66511
         481093.03    3774546.66        0.64787                        481143.03
3774546.66        0.63387
         481193.03    3774546.66        0.62066                        481243.03
3774546.66        0.60561
         481293.03    3774546.66        0.59222                        481343.03
3774546.66        0.58171
         481393.03    3774546.66        0.56831                        481443.03
3774546.66        0.55739
         481493.03    3774546.66        0.54698                        481543.03
3774546.66        0.53845
         480543.03    3774596.66        0.77081                        480593.03
3774596.66        0.74784
         480643.03    3774596.66        0.71912                        480693.03
3774596.66        0.70140
         480743.03    3774596.66        0.67722                        480793.03
3774596.66        0.66229
         480843.03    3774596.66        0.64304                        480893.03
3774596.66        0.62867
         480943.03    3774596.66        0.61400                        480993.03
3774596.66        0.59932
         481043.03    3774596.66        0.58523                        481093.03
3774596.66        0.57276
         481143.03    3774596.66        0.55878                        481193.03
3774596.66        0.54775
         481243.03    3774596.66        0.53647                        481293.03
3774596.66        0.52475
         481343.03    3774596.66        0.51450                        481393.03
3774596.66        0.50463
         481443.03    3774596.66        0.49427                        481493.03
3774596.66        0.48632
         481543.03    3774596.66        0.47651                        480543.03
3774646.66        0.69718
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***

INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 , L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480593.03	3774646.66	0.67259	480643.03	3774646.66	0.64920
480693.03	3774646.66	0.63218	480743.03	3774646.66	0.60929
480793.03	3774646.66	0.59447	480843.03	3774646.66	0.57554
480893.03	3774646.66	0.56092	480943.03	3774646.66	0.54664
480993.03	3774646.66	0.53636	481043.03	3774646.66	0.52147
481093.03	3774646.66	0.50760	481143.03	3774646.66	0.49933
481193.03	3774646.66	0.48691	481243.03	3774646.66	0.47907
481293.03	3774646.66	0.46830	481343.03	3774646.66	0.45986
481393.03	3774646.66	0.45092	481443.03	3774646.66	0.44155
481493.03	3774646.66	0.43419	481543.03	3774646.66	0.42674
480543.03	3774696.66	0.64121	480593.03	3774696.66	0.61437
480643.03	3774696.66	0.59502	480693.03	3774696.66	0.57298
480743.03	3774696.66	0.55648	480793.03	3774696.66	0.54209
480843.03	3774696.66	0.52392	480893.03	3774696.66	0.50768

480943.03 3774696.66 0.49579 480993.03
3774696.66 0.48155
481043.03 3774696.66 0.47007 481093.03
3774696.66 0.45911
481143.03 3774696.66 0.44789 481193.03
3774696.66 0.43974
481243.03 3774696.66 0.42879 481293.03
3774696.66 0.42255
481343.03 3774696.66 0.41270 481393.03
3774696.66 0.40337
481443.03 3774696.66 0.39818 481493.03
3774696.66 0.38963
481543.03 3774696.66 0.38248 480543.03
3774746.66 0.58979
480593.03 3774746.66 0.56929 480643.03
3774746.66 0.54903
480693.03 3774746.66 0.52930 480743.03
3774746.66 0.51386
480793.03 3774746.66 0.49539 480843.03
3774746.66 0.48318
480893.03 3774746.66 0.46651 480943.03
3774746.66 0.45406
480993.03 3774746.66 0.44173 481043.03
3774746.66 0.42832
481093.03 3774746.66 0.41988 481143.03
3774746.66 0.40856
481193.03 3774746.66 0.39910 481243.03
3774746.66 0.39111
481293.03 3774746.66 0.38208 481343.03
3774746.66 0.37440
481393.03 3774746.66 0.36712 481443.03
3774746.66 0.35950
481493.03 3774746.66 0.35301 481543.03
3774746.66 0.34679
480543.03 3774796.66 0.55277 480593.03
3774796.66 0.53015
480643.03 3774796.66 0.51012 480693.03
3774796.66 0.49032
480743.03 3774796.66 0.47521 480793.03
3774796.66 0.46241
480843.03 3774796.66 0.44645 480893.03
3774796.66 0.43435
480943.03 3774796.66 0.41943 480993.03
3774796.66 0.40665
481043.03 3774796.66 0.39708 481093.03
3774796.66 0.38503
481143.03 3774796.66 0.37773 481193.03
3774796.66 0.36713
481243.03 3774796.66 0.36046 481293.03
3774796.66 0.35150

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 ,
L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
481443.03	3774796.66	0.32981	481493.03	3774796.66	0.32240
481543.03	3774796.66	0.31534	480543.03	3774846.66	0.51914
480593.03	3774846.66	0.49698	480643.03	3774846.66	0.47999
480693.03	3774846.66	0.45751	480743.03	3774846.66	0.44533
480793.03	3774846.66	0.43510	480843.03	3774846.66	0.41975
480893.03	3774846.66	0.40800	480943.03	3774846.66	0.39328
480993.03	3774846.66	0.38049	481043.03	3774846.66	0.37001
481093.03	3774846.66	0.35975	481143.03	3774846.66	0.34931
481193.03	3774846.66	0.34241	481243.03	3774846.66	0.33275
481293.03	3774846.66	0.32532	481343.03	3774846.66	0.31752
481393.03	3774846.66	0.31024	481443.03	3774846.66	0.30313
481493.03	3774846.66	0.29785	481543.03		

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3774846.66        0.29174
         480543.03    3774896.66        0.49103                    480593.03
3774896.66        0.46899
         480643.03    3774896.66        0.44885                    480693.03
3774896.66        0.43159
         480743.03    3774896.66        0.41829                    480793.03
3774896.66        0.40720
         480843.03    3774896.66        0.39674                    480893.03
3774896.66        0.38389
         480943.03    3774896.66        0.37156                    480993.03
3774896.66        0.35906
         481043.03    3774896.66        0.34700                    481093.03
3774896.66        0.33785
         481143.03    3774896.66        0.32870                    481193.03
3774896.66        0.31998
         481243.03    3774896.66        0.31233                    481293.03
3774896.66        0.30383
         481343.03    3774896.66        0.29668                    481393.03
3774896.66        0.28950
         481443.03    3774896.66        0.28260                    481493.03
3774896.66        0.27603
         481543.03    3774896.66        0.26990                    480543.03
3774946.66        0.46043
         480593.03    3774946.66        0.44495                    480643.03
3774946.66        0.42596
         480693.03    3774946.66        0.40974                    480743.03
3774946.66        0.39723
         480793.03    3774946.66        0.38655                    480843.03
3774946.66        0.37634
         480893.03    3774946.66        0.36239                    480943.03
3774946.66        0.34944
         480993.03    3774946.66        0.33813                    481043.03
3774946.66        0.32781
         481093.03    3774946.66        0.31854                    481143.03
3774946.66        0.30911
         481193.03    3774946.66        0.30192                    481243.03
3774946.66        0.29288
         481293.03    3774946.66        0.28504                    481343.03
3774946.66        0.27793
         481393.03    3774946.66        0.27127                    481443.03
3774946.66        0.26443
         481493.03    3774946.66        0.25771                    481543.03
3774946.66        0.25360
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774040.02	4.21633	478220.37	3774040.02	4.52333
478270.37	3774040.02	4.88259	478320.37	3774040.02	5.27665
478170.37	3774090.02	4.12100	478220.37	3774090.02	4.41705
478270.37	3774090.02	4.76299	478320.37	3774090.02	5.14195
478170.37	3774140.02	4.02259	478220.37	3774140.02	4.30741
478270.37	3774140.02	4.63864	478320.37	3774140.02	5.00127
478170.37	3774190.02	3.92270	478220.37	3774190.02	4.19876
478270.37	3774190.02	4.51204	478320.37	3774190.02	4.85779
478170.37	3774240.02	3.82258	478220.37	3774240.02	4.08641
478270.37	3774240.02	4.38508	478320.37	3774240.02	4.71386
478370.37	3774240.02	5.09041	478420.37	3774240.02	5.52395
478470.37	3774240.02	6.01111	478520.37	3774240.02	6.59261
478570.37	3774240.02	7.25143	479170.37	3774240.02	61.13715
479220.37	3774240.02	85.15035	479270.37	3774240.02	117.37393

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         479320.37    3774240.02      140.20118                    479370.37
3774240.02      126.25876
         479420.37    3774240.02      101.56097                    479470.37
3774240.02       84.17549
         479520.37    3774240.02       72.00146                    479570.37
3774240.02       63.51813
         479620.37    3774240.02       57.18744                    479670.37
3774240.02       52.52042
         479720.37    3774240.02       48.87689                    479770.37
3774240.02       45.85367
         479820.37    3774240.02       43.54936                    479870.37
3774240.02       41.62496
         479920.37    3774240.02       39.83423                    479970.37
3774240.02       38.38541
         478170.37    3774290.02        3.72309                    478220.37
3774290.02        3.97481
         478270.37    3774290.02        4.25905                    478320.37
3774290.02        4.57104
         478370.37    3774290.02        4.92725                    478420.37
3774290.02        5.33587
         478470.37    3774290.02        5.79317                    478520.37
3774290.02        6.33645
         478570.37    3774290.02        6.94862                    479170.37
3774290.02       45.71561
         479220.37    3774290.02       57.04063                    479270.37
3774290.02       68.32500
         479320.37    3774290.02       73.95474                    479370.37
3774290.02       70.25295
         479420.37    3774290.02       61.40174                    479470.37
3774290.02       52.86208
         479520.37    3774290.02       46.11213                    479570.37
3774290.02       41.07304
         479620.37    3774290.02       37.15890                    479670.37
3774290.02       34.18457
         479720.37    3774290.02       31.79256                    479770.37
3774290.02       29.79941
         479820.37    3774290.02       28.17879                    479870.37
3774290.02       26.80111
         479920.37    3774290.02       25.53518                    479970.37
3774290.02       25.00579
         478170.37    3774340.02        3.62476                    478220.37
3774340.02        3.86459
         478270.37    3774340.02        4.13466                    478320.37
3774340.02        4.43020
         478370.37    3774340.02        4.76648                    478420.37
3774340.02        5.15073
         478470.37    3774340.02        5.58664                    478520.37
3774340.02        6.08485
         478570.37    3774340.02        6.65157                    479170.37
3774340.02       34.84963
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479320.37	3774340.02	47.72690	479370.37	3774340.02	46.48453
479420.37	3774340.02	42.80883	479470.37	3774340.02	38.38327
479520.37	3774340.02	34.23384	479570.37	3774340.02	30.86576
479620.37	3774340.02	28.12682	479670.37	3774340.02	25.99013
479720.37	3774340.02	24.22293	479770.37	3774340.02	22.80788
479820.37	3774340.02	21.60846	479870.37	3774340.02	20.27196
479920.37	3774340.02	19.32101	479970.37	3774340.02	18.67689
478170.37	3774390.02	3.52786	478220.37	3774390.02	3.75603
478270.37	3774390.02	4.01223	478320.37	3774390.02	4.29167
478370.37	3774390.02	4.61556	478420.37		

3774390.02 4.96892
478470.37 3774390.02 5.37765 478520.37
3774390.02 5.83825
478570.37 3774390.02 6.36074 479170.37
3774390.02 27.28234
479220.37 3774390.02 30.50542 479270.37
3774390.02 32.97403
479320.37 3774390.02 34.11254 479370.37
3774390.02 33.62235
479420.37 3774390.02 31.91151 479470.37
3774390.02 29.48546
479520.37 3774390.02 27.00241 479570.37
3774390.02 24.70384
479620.37 3774390.02 22.72025 479670.37
3774390.02 21.06495
479720.37 3774390.02 19.70732 479770.37
3774390.02 18.58759
479820.37 3774390.02 17.21367 479870.37
3774390.02 16.01078
479920.37 3774390.02 15.39230 479970.37
3774390.02 14.81462
478170.37 3774440.02 3.43242 478220.37
3774440.02 3.64982
478270.37 3774440.02 3.89178 478320.37
3774440.02 4.15545
478370.37 3774440.02 4.45985 478420.37
3774440.02 4.79037
478470.37 3774440.02 5.17066 478520.37
3774440.02 5.59650
478570.37 3774440.02 6.07598 478620.37
3774440.02 6.63583
478670.37 3774440.02 7.27137 478720.37
3774440.02 7.99890
478770.37 3774440.02 8.84113 478820.37
3774440.02 9.84877
479320.37 3774440.02 25.96690 479370.37
3774440.02 25.77872
479420.37 3774440.02 24.89718 479470.37
3774440.02 23.52033
479520.37 3774440.02 21.98339 479570.37
3774440.02 20.43673
479620.37 3774440.02 19.00700 479670.37
3774440.02 17.74293
479720.37 3774440.02 16.66250 479770.37
3774440.02 15.74672
479820.37 3774440.02 14.20969 479870.37
3774440.02 13.39834
479920.37 3774440.02 12.63379 479970.37
3774440.02 12.29659
478170.37 3774490.02 3.33840 478220.37

3774490.02   3.54881
         478270.37   3774490.02   3.77320   478320.37
3774490.02   4.02140
         478370.37   3774490.02   4.30670   478420.37
3774490.02   4.61487
         478470.37   3774490.02   4.96740   478520.37
3774490.02   5.35942
         478570.37   3774490.02   5.79753   478620.37
3774490.02   6.30786
         478670.37   3774490.02   6.87205   478720.37
3774490.02   7.51381

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                  L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                  L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         478749.26   3774487.73   7.94898   478820.37
3774490.02   9.10303
         479370.37   3774490.02   20.57621   479420.37
3774490.02   20.08789
         479470.37   3774490.02   19.27404   479520.37
3774490.02   18.29650
         479570.37   3774490.02   17.23840   479620.37
3774490.02   16.22639
         479670.37   3774490.02   15.26849   479720.37
3774490.02   14.42216

479770.37 3774490.02 13.50828 479820.37
3774490.02 12.01398
479870.37 3774490.02 11.32880 479920.37
3774490.02 10.84814
479970.37 3774490.02 10.54951 478170.37
3774540.02 3.24775
478220.37 3774540.02 3.44480 478270.37
3774540.02 3.65633
478320.37 3774540.02 3.88934 478370.37
3774540.02 4.15595
478420.37 3774540.02 4.44228 478470.37
3774540.02 4.76781
478520.37 3774540.02 5.12709 478570.37
3774540.02 5.52510
478620.37 3774540.02 5.98424 478670.37
3774540.02 6.48559
478720.37 3774540.02 7.04797 478764.86
3774550.58 7.49997
478807.52 3774552.41 8.05838 479370.37
3774540.02 16.92025
479420.37 3774540.02 16.64302 479470.37
3774540.02 16.13918
479520.37 3774540.02 15.49987 479570.37
3774540.02 14.77264
479620.37 3774540.02 14.04513 479670.37
3774540.02 13.32633
479720.37 3774540.02 12.66789 479770.37
3774540.02 11.43246
479820.37 3774540.02 10.57323 479870.37
3774540.02 9.95066
479920.37 3774540.02 9.53451 479970.37
3774540.02 9.26893
478170.37 3774590.02 3.15841 478220.37
3774590.02 3.34216
478270.37 3774590.02 3.54108 478320.37
3774590.02 3.76454
478370.37 3774590.02 4.00756 478420.37
3774590.02 4.27282
478470.37 3774590.02 4.57508 478520.37
3774590.02 4.89986
478570.37 3774590.02 5.27073 478620.37
3774590.02 5.67070
478670.37 3774590.02 6.11384 478720.37
3774590.02 6.60597
478776.33 3774602.87 7.09460 478804.31
3774604.25 7.39606
479370.37 3774590.02 14.23677 479420.37
3774590.02 14.06894
479470.37 3774590.02 13.75546 479520.37
3774590.02 13.32608

```
         479570.37    3774590.02       12.81838                       479620.37
3774590.02       12.29036
         479670.37    3774590.02       11.75043                       479720.37
3774590.02       11.05086
         479770.37    3774590.02        9.77088                       479820.37
3774590.02        9.42315
         479870.37    3774590.02        8.86278                       479920.37
3774590.02        8.51032
         479970.37    3774590.02        8.17065                       478170.37
3774640.02        3.06921
         478220.37    3774640.02        3.24085                       478270.37
3774640.02        3.42740
         478320.37    3774640.02        3.63601                       478370.37
3774640.02        3.86161
         478420.37    3774640.02        4.10630                       478470.37
3774640.02        4.38328
         478520.37    3774640.02        4.67834                       478570.37
3774640.02        5.01236
         478620.37    3774640.02        5.36861                       478670.37
3774640.02        5.76206
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                  L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                  L0002516    , L0002517    , L0002518    , L0002519    , L0002520
, L0002521    , L0002522    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         478720.37    3774640.02        6.19762                       478770.37
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3774640.02 6.66235
478820.37 3774640.02 7.16980 478870.37
3774640.02 7.71865
479370.37 3774640.02 12.19879 479420.37
3774640.02 12.10130
479470.37 3774640.02 11.89755 479520.37
3774640.02 11.59885
479570.37 3774640.02 11.24287 479620.37
3774640.02 10.84817
479670.37 3774640.02 10.44685 479720.37
3774640.02 9.63076
479770.37 3774640.02 8.75403 479820.37
3774640.02 8.47250
479870.37 3774640.02 7.89213 479920.37
3774640.02 7.67584
479970.37 3774640.02 7.37492 478170.37
3774690.02 2.97999
478220.37 3774690.02 3.14087 478270.37
3774690.02 3.31541
478320.37 3774690.02 3.51053 478370.37
3774690.02 3.71830
478420.37 3774690.02 3.94326 478470.37
3774690.02 4.19618
478520.37 3774690.02 4.46327 478570.37
3774690.02 4.76304
478620.37 3774690.02 5.07929 478670.37
3774690.02 5.43204
478720.37 3774690.02 5.80255 478770.37
3774690.02 6.20005
478820.37 3774690.02 6.63599 478868.71
3774700.63 6.94388
478861.34 3774671.12 7.22700 479026.61
3774722.40 8.02215
479059.05 3774696.65 8.76995 479113.74
3774695.09 9.28002
479370.37 3774690.02 10.60421 479420.37
3774690.02 10.55298
479470.37 3774690.02 10.41860 479520.37
3774690.02 10.20839
479570.37 3774690.02 9.95291 479620.37
3774690.02 9.65913
479670.37 3774690.02 9.35475 479720.37
3774690.02 8.42810
479770.37 3774690.02 7.89662 479820.37
3774690.02 7.39645
479870.37 3774690.02 7.15649 479920.37
3774690.02 6.95857
479970.37 3774690.02 6.69046 478170.37
3774740.02 2.89150
478220.37 3774740.02 3.04228 478270.37

3774740.02   3.20517
         478320.37   3774740.02   3.38728   478370.37
3774740.02   3.57792
         478420.37   3774740.02   3.78498   478470.37
3774740.02   4.01435
         478520.37   3774740.02   4.25539   478570.37
3774740.02   4.52372
         478620.37   3774740.02   4.80384   478670.37
3774740.02   5.11326
         478720.37   3774740.02   5.43433   478770.37
3774740.02   5.78159
         478820.37   3774740.02   6.14408   478862.96
3774730.27   6.57139
         479020.37   3774740.02   7.68878   479070.37
3774740.02   8.07103
         479120.37   3774740.02   8.41664   479370.37
3774740.02   9.33372
         479420.37   3774740.02   9.30924   479470.37
3774740.02   9.21957
         479520.37   3774740.02   9.07174   479570.37
3774740.02   8.88411
         479620.37   3774740.02   8.66456   479670.37
3774740.02   8.43053
         479720.37   3774740.02   7.34953   479770.37
3774740.02   6.99641
         479820.37   3774740.02   6.68257   479870.37
3774740.02   6.52671
         479920.37   3774740.02   6.35903   479970.37
3774740.02   6.10439

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                  L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                  L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774790.02	2.80424	478220.37	3774790.02	2.94521
478270.37	3774790.02	3.09677	478320.37	3774790.02	3.26541
478370.37	3774790.02	3.44080	478420.37	3774790.02	3.63571
478470.37	3774790.02	3.83837	478520.37	3774790.02	4.05749
478570.37	3774790.02	4.29518	478620.37	3774790.02	4.54302
478670.37	3774790.02	4.81440	478720.37	3774790.02	5.09298
478770.37	3774790.02	5.39320	478820.37	3774790.02	5.70155
478870.37	3774790.02	6.02117	478920.37	3774790.02	6.34100
478970.37	3774790.02	6.66071	479020.37	3774790.02	6.98093
479070.37	3774790.02	7.28157	479120.37	3774790.02	7.55729
479370.37	3774790.02	8.30167	479420.37	3774790.02	8.29251
479470.37	3774790.02	8.22948	479520.37	3774790.02	8.12779
479570.37	3774790.02	7.98671	479620.37	3774790.02	7.82285
479670.37	3774790.02	7.64147	479720.37	3774790.02	6.68088
479770.37	3774790.02	6.37864	479820.37	3774790.02	6.10870
479870.37	3774790.02	5.98101	479920.37	3774790.02	5.75130
479970.37	3774790.02	5.61488	477970.37	3774840.02	2.26456
478020.37	3774840.02	2.36879	478070.37	3774840.02	2.47763
478120.37	3774840.02	2.59529	478170.37	3774840.02	2.71829
478220.37	3774840.02	2.84980	478270.37	3774840.02	2.99556
478320.37	3774840.02	3.14630	478370.37	3774840.02	3.30730

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         478420.37    3774840.02        3.48519                        478470.37
3774840.02        3.66875
         478520.37    3774840.02        3.86628                        478570.37
3774840.02        4.07797
         478620.37    3774840.02        4.30203                        478670.37
3774840.02        4.53545
         478720.37    3774840.02        4.77764                        478770.37
3774840.02        5.03678
         478820.37    3774840.02        5.29933                        478870.37
3774840.02        5.56940
         478920.37    3774840.02        5.83684                        478970.37
3774840.02        6.10168
         479020.37    3774840.02        6.36623                        479070.37
3774840.02        6.60997
         479120.37    3774840.02        6.83562                        479170.37
3774840.02        7.03457
         479220.37    3774840.02        7.19859                        479270.37
3774840.02        7.32376
         479320.37    3774840.02        7.40847                        479370.37
3774840.02        7.44831
         479420.37    3774840.02        7.44776                        479470.37
3774840.02        7.40720
         479520.37    3774840.02        7.33329                        479570.37
3774840.02        7.22869
         479620.37    3774840.02        7.10408                        479670.37
3774840.02        6.43437
         479720.37    3774840.02        6.10325                        479770.37
3774840.02        5.84251
         479820.37    3774840.02        5.60862                        479870.37
3774840.02        5.50383
         479920.37    3774840.02        5.28156                        479970.37
3774840.02        5.18574
         477970.37    3774890.02        2.21058                        478020.37
3774890.02        2.30568
         478070.37    3774890.02        2.40827                        478120.37
3774890.02        2.51877
         478170.37    3774890.02        2.63379                        478220.37
3774890.02        2.75622
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                        ***       10:39:05

                                  PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
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```
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                 L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                 L0002516    , L0002517    , L0002518    , L0002519    , L0002520
, L0002521    , L0002522    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         478270.37    3774890.02        2.89133                       478320.37
3774890.02        3.03023
         478370.37    3774890.02        3.17775                       478420.37
3774890.02        3.33985
         478470.37    3774890.02        3.50592                       478520.37
3774890.02        3.68345
         478570.37    3774890.02        3.87239                       478620.37
3774890.02        4.07087
         478670.37    3774890.02        4.27597                       478720.37
3774890.02        4.48702
         478770.37    3774890.02        4.71120                       478820.37
3774890.02        4.93627
         478870.37    3774890.02        5.16592                       478920.37
3774890.02        5.39129
         478970.37    3774890.02        5.61271                       479020.37
3774890.02        5.83259
         479070.37    3774890.02        6.03374                       479120.37
3774890.02        6.21931
         479170.37    3774890.02        6.38285                       479220.37
3774890.02        6.51805
         479270.37    3774890.02        6.62266                       479320.37
3774890.02        6.69532
         479370.37    3774890.02        6.73296                       479420.37
3774890.02        6.73873
         479470.37    3774890.02        6.71271                       479520.37
3774890.02        6.65840
         479570.37    3774890.02        6.58115                       479620.37
3774890.02        6.48522
         479670.37    3774890.02        5.88959                       479720.37
3774890.02        5.60068
         479770.37    3774890.02        5.37398                       479820.37
3774890.02        5.16977
         479870.37    3774890.02        5.08355                       479920.37
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3774890.02   4.88692
         479970.37   3774890.02   4.80621   477970.37
3774940.02   2.15362
         478020.37   3774940.02   2.24340   478070.37
3774940.02   2.33993
         478120.37   3774940.02   2.44353   478170.37
3774940.02   2.55089
         478220.37   3774940.02   2.66465   478270.37
3774940.02   2.78968
         478320.37   3774940.02   2.91747   478370.37
3774940.02   3.05245
         478420.37   3774940.02   3.20003   478470.37
3774940.02   3.35019
         478520.37   3774940.02   3.50974   478570.37
3774940.02   3.67848
         478620.37   3774940.02   3.85455   478670.37
3774940.02   4.03517
         478720.37   3774940.02   4.21954   478770.37
3774940.02   4.41294
         478820.37   3774940.02   4.60669   478870.37
3774940.02   4.80481
         478920.37   3774940.02   4.99615   478970.37
3774940.02   5.18290
         479020.37   3774940.02   5.36749   479070.37
3774940.02   5.53538
         479120.37   3774940.02   5.68994   479170.37
3774940.02   5.82620
         479220.37   3774940.02   5.93923   479270.37
3774940.02   6.02786
         479320.37   3774940.02   6.09085   479370.37
3774940.02   6.12611
         479420.37   3774940.02   6.13581   479470.37
3774940.02   6.11993
         479520.37   3774940.02   6.08091   479570.37
3774940.02   6.02270
         479620.37   3774940.02   5.94838   479670.37
3774940.02   5.41474
         479720.37   3774940.02   5.16058   479770.37
3774940.02   4.87196
         479820.37   3774940.02   4.78234   479870.37
3774940.02   4.71116
         479920.37   3774940.02   4.53624   479970.37
3774940.02   4.46825
         477970.37   3774990.02   2.09740   478020.37
3774990.02   2.18202
         478070.37   3774990.02   2.27270   478120.37
3774990.02   2.36967

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
478170.37	3774990.02	2.46972	478220.37	3774990.02	2.57527
478270.37	3774990.02	2.69081	478320.37	3774990.02	2.80824
478370.37	3774990.02	2.93165	478420.37	3774990.02	3.06594
478470.37	3774990.02	3.20172	478520.37	3774990.02	3.34521
478570.37	3774990.02	3.49610	478620.37	3774990.02	3.65258
478670.37	3774990.02	3.81206	478720.37	3774990.02	3.97377
478770.37	3774990.02	4.14206	478820.37	3774990.02	4.30985
478870.37	3774990.02	4.47860	478920.37	3774990.02	4.64443
478970.37	3774990.02	4.80322	479020.37	3774990.02	4.95963
479070.37	3774990.02	5.10121	479120.37	3774990.02	5.23139
479170.37	3774990.02	5.34630	479220.37	3774990.02	5.44197
479270.37	3774990.02	5.51794	479320.37	3774990.02	5.57305

479370.37 3774990.02 5.60589 479420.37 3774990.02 5.61797
479470.37 3774990.02 5.60921 479520.37 3774990.02 5.58136
479570.37 3774990.02 5.53735 479620.37 3774990.02 5.47946
479670.37 3774990.02 4.99819 479720.37 3774990.02 4.77287
479770.37 3774990.02 4.53948 479820.37 3774990.02 4.43850
479870.37 3774990.02 4.37950 479920.37 3774990.02 4.22299
479970.37 3774990.02 4.16560 477970.37 3775040.02 2.04198
478020.37 3775040.02 2.12162 478070.37 3775040.02 2.20669
478120.37 3775040.02 2.29732 478170.37 3775040.02 2.39042
478220.37 3775040.02 2.48824 478270.37 3775040.02 2.59491
478320.37 3775040.02 2.70275 478370.37 3775040.02 2.81552
478420.37 3775040.02 2.93774 478470.37 3775040.02 3.06058
478520.37 3775040.02 3.18976 478570.37 3775040.02 3.32490
478620.37 3775040.02 3.46429 478670.37 3775040.02 3.60551
478720.37 3775040.02 3.74784 478770.37 3775040.02 3.89521
478820.37 3775040.02 4.04126 478870.37 3775040.02 4.18936
478920.37 3775040.02 4.33017 478970.37 3775040.02 4.46622
479020.37 3775040.02 4.59988 479070.37 3775040.02 4.72040
479120.37 3775040.02 4.83116 479170.37 3775040.02 4.92910
479220.37 3775040.02 5.01094 479270.37 3775040.02 5.07672
479320.37 3775040.02 5.12531 479370.37 3775040.02 5.15582
479420.37 3775040.02 5.16924 479470.37 3775040.02 5.16551
479520.37 3775040.02 5.14694 479570.37 3775040.02 5.11271
479620.37 3775040.02 5.06726 479670.37 3775040.02 4.65069
479720.37 3775040.02 4.42946 479770.37 3775040.02 4.26049

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479820.37	3775040.02	4.13188	479870.37	3775040.02	4.08276
479920.37	3775040.02	3.94191	479970.37	3775040.02	3.89334
477970.37	3775090.02	1.98743	478020.37	3775090.02	2.06229
478070.37	3775090.02	2.14198	478120.37	3775090.02	2.22660
478170.37	3775090.02	2.31314	478220.37	3775090.02	2.40371
478270.37	3775090.02	2.50213	478320.37	3775090.02	2.60113
478370.37	3775090.02	2.70420	478420.37	3775090.02	2.81548
478470.37	3775090.02	2.92672	478520.37	3775090.02	3.04317
478570.37	3775090.02	3.16445	478620.37	3775090.02	3.28891
478670.37	3775090.02	3.41432	478720.37	3775090.02	3.54004
478770.37	3775090.02	3.66716	478820.37		

3775090.02 3.79737
478870.37 3775090.02 3.92636 478920.37
3775090.02 4.04833
478970.37 3775090.02 4.16572 479020.37
3775090.02 4.28083
479070.37 3775090.02 4.38431 479120.37
3775090.02 4.47941
479170.37 3775090.02 4.56367 479220.37
3775090.02 4.63435
479270.37 3775090.02 4.69181 479320.37
3775090.02 4.73494
479370.37 3775090.02 4.76322 479420.37
3775090.02 4.77750
479470.37 3775090.02 4.77711 479520.37
3775090.02 4.76442
479570.37 3775090.02 4.73924 479620.37
3775090.02 4.70282
479670.37 3775090.02 4.65778 479720.37
3775090.02 4.12375
479770.37 3775090.02 3.89511 479820.37
3775090.02 3.85724
479870.37 3775090.02 3.78568 479920.37
3775090.02 3.68871
479970.37 3775090.02 3.64744 477970.37
3775140.02 1.93383
478020.37 3775140.02 2.00410 478070.37
3775140.02 2.07868
478120.37 3775140.02 2.15760 478170.37
3775140.02 2.23799
478220.37 3775140.02 2.32181 478270.37
3775140.02 2.41259
478320.37 3775140.02 2.50348 478370.37
3775140.02 2.59772
478420.37 3775140.02 2.69913 478470.37
3775140.02 2.79998
478520.37 3775140.02 2.90514 478570.37
3775140.02 3.01420
478620.37 3775140.02 3.12561 478670.37
3775140.02 3.23733
478720.37 3775140.02 3.34876 478770.37
3775140.02 3.46033
478820.37 3775140.02 3.57542 478870.37
3775140.02 3.68674
478920.37 3775140.02 3.79464 478970.37
3775140.02 3.89659
479020.37 3775140.02 3.99644 479070.37
3775140.02 4.08597
479120.37 3775140.02 4.16830 479170.37
3775140.02 4.24141
479220.37 3775140.02 4.30296 479270.37

3775140.02   4.35354
         479320.37   3775140.02   4.39205   479370.37
3775140.02   4.41824
         479420.37   3775140.02   4.43269   479470.37
3775140.02   4.43515
         479520.37   3775140.02   4.42649   479570.37
3775140.02   4.40766
         479620.37   3775140.02   4.37885   479670.37
3775140.02   4.34251
         479720.37   3775140.02   3.85031   479770.37
3775140.02   3.64159
         479820.37   3775140.02   3.61024   479870.37
3775140.02   3.54125
         479920.37   3775140.02   3.45983   479970.37
3775140.02   3.39311

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                   L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                   L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         477970.37   3775190.02   1.88123   478020.37
3775190.02   1.94713
         478070.37   3775190.02   2.01687   478120.37
3775190.02   2.09043
         478170.37   3775190.02   2.16508   478220.37
3775190.02   2.24262

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        478270.37    3775190.02        2.32637                    478320.37
3775190.02        2.40984
        478370.37    3775190.02        2.49608                    478420.37
3775190.02        2.58860
        478470.37    3775190.02        2.68016                    478520.37
3775190.02        2.77530
        478570.37    3775190.02        2.87357                    478620.37
3775190.02        2.97357
        478670.37    3775190.02        3.07337                    478720.37
3775190.02        3.17249
        478770.37    3775190.02        3.27131                    478820.37
3775190.02        3.37297
        478870.37    3775190.02        3.46897                    478920.37
3775190.02        3.56546
        478970.37    3775190.02        3.65455                    479020.37
3775190.02        3.74174
        479070.37    3775190.02        3.81975                    479120.37
3775190.02        3.89154
        479170.37    3775190.02        3.95545                    479220.37
3775190.02        4.00946
        479270.37    3775190.02        4.05428                    479320.37
3775190.02        4.08883
        479370.37    3775190.02        4.11310                    479420.37
3775190.02        4.12738
        479470.37    3775190.02        4.13172                    479520.37
3775190.02        4.12623
        479570.37    3775190.02        4.11224                    479620.37
3775190.02        4.08942
        479670.37    3775190.02        4.06000                    479720.37
3775190.02        3.60467
        479770.37    3775190.02        3.41328                    479820.37
3775190.02        3.38725
        479870.37    3775190.02        3.28057                    479920.37
3775190.02        3.25225
        479970.37    3775190.02        3.17004                    477970.37
3775240.02        1.82970
        478020.37    3775240.02        1.89147                    478070.37
3775240.02        1.95663
        478120.37    3775240.02        2.02517                    478170.37
3775240.02        2.09447
        478220.37    3775240.02        2.16622                    478270.37
3775240.02        2.24351
        478320.37    3775240.02        2.32022                    478370.37
3775240.02        2.39921
        478420.37    3775240.02        2.48371                    478470.37
3775240.02        2.56698
        478520.37    3775240.02        2.65321                    478570.37
3775240.02        2.74197
        478620.37    3775240.02        2.83011                    478670.37
3775240.02        2.92137
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         478720.37    3775240.02        3.00982                      478770.37
3775240.02        3.09769
         478820.37    3775240.02        3.18786                      478870.37
3775240.02        3.27265
         478920.37    3775240.02        3.35772                      478970.37
3775240.02        3.43601
         479020.37    3775240.02        3.51261                      479070.37
3775240.02        3.58102
         479120.37    3775240.02        3.64405                      479170.37
3775240.02        3.70030
         479220.37    3775240.02        3.74800                      479270.37
3775240.02        3.78794
         479320.37    3775240.02        3.81910                      479370.37
3775240.02        3.84158
         479420.37    3775240.02        3.85549                      479470.37
3775240.02        3.86072
         479520.37    3775240.02        3.85800                      479570.37
3775240.02        3.84754
         479620.37    3775240.02        3.82967                      479670.37
3775240.02        3.56173
         479720.37    3775240.02        3.38310                      479770.37
3775240.02        3.20689
         479820.37    3775240.02        3.18521                      479870.37
3775240.02        3.08759
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE 146
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                  L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                  L0002516    , L0002517    , L0002518    , L0002519    , L0002520
, L0002521    , L0002522    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
```

Y-COORD (M)   CONC
- -

479920.37   3775240.02   3.06342   479970.37
3775240.02   2.98829
477970.37   3775290.02   1.77690   478020.37
3775290.02   1.83716
478070.37   3775290.02   1.89804   478120.37
3775290.02   1.96189
478170.37   3775290.02   2.02622   478220.37
3775290.02   2.09263
478270.37   3775290.02   2.16401   478320.37
3775290.02   2.23457
478370.37   3775290.02   2.30700   478420.37
3775290.02   2.38429
478470.37   3775290.02   2.46014   478520.37
3775290.02   2.53844
478570.37   3775290.02   2.61879   478620.37
3775290.02   2.69780
478670.37   3775290.02   2.78032   478720.37
3775290.02   2.85951
478770.37   3775290.02   2.93792   478820.37
3775290.02   3.01729
478870.37   3775290.02   3.09343   478920.37
3775290.02   3.16881
478970.37   3775290.02   3.23796   479020.37
3775290.02   3.30563
479070.37   3775290.02   3.36598   479120.37
3775290.02   3.42165
479170.37   3775290.02   3.47145   479220.37
3775290.02   3.51383
479270.37   3775290.02   3.54962   479320.37
3775290.02   3.57782
479370.37   3775290.02   3.59865   479420.37
3775290.02   3.61209
479470.37   3775290.02   3.61804   479520.37
3775290.02   3.61723
479570.37   3775290.02   3.60924   479620.37
3775290.02   3.59555
479670.37   3775290.02   3.30715   479720.37
3775290.02   3.08049
479770.37   3775290.02   3.01962   479820.37
3775290.02   3.00153
479870.37   3775290.02   2.91184   479920.37
3775290.02   2.88019
479970.37   3775290.02   2.80537   477970.37
3775340.02   1.72782
478020.37   3775340.02   1.78428   478070.37
3775340.02   1.84028
478120.37   3775340.02   1.90064   478170.37

3775340.02   1.96038
         478220.37   3775340.02   2.02188   478270.37
3775340.02   2.08752
         478320.37   3775340.02   2.15282   478370.37
3775340.02   2.21930
         478420.37   3775340.02   2.29011   478470.37
3775340.02   2.35932
         478520.37   3775340.02   2.43056   478570.37
3775340.02   2.50345
         478620.37   3775340.02   2.57485   478670.37
3775340.02   2.64904
         478720.37   3775340.02   2.72038   478770.37
3775340.02   2.79060
         478820.37   3775340.02   2.86238   478870.37
3775340.02   2.92938
         478920.37   3775340.02   2.99646   478970.37
3775340.02   3.05786
         479020.37   3775340.02   3.11794   479070.37
3775340.02   3.17147
         479120.37   3775340.02   3.22090   479170.37
3775340.02   3.26524
         479220.37   3775340.02   3.30309   479270.37
3775340.02   3.33531
         479320.37   3775340.02   3.36093   479370.37
3775340.02   3.38025
         479420.37   3775340.02   3.39314   479470.37
3775340.02   3.39959
         479520.37   3775340.02   3.40013   479570.37
3775340.02   3.39444
         479620.37   3775340.02   3.38369   479670.37
3775340.02   3.11517
         479720.37   3775340.02   2.90450   479770.37
3775340.02   2.84915

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                  L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                  L0002516   , L0002517   , L0002518   , L0002519   , L0002520

, L0002521   , L0002522   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479820.37	3775340.02	2.83401	479870.37	3775340.02	2.75130
479920.37	3775340.02	2.72324	479970.37	3775340.02	2.65404
477970.37	3775390.02	1.67997	478020.37	3775390.02	1.73287
478070.37	3775390.02	1.78517	478120.37	3775390.02	1.84143
478170.37	3775390.02	1.89694	478220.37	3775390.02	1.95394
478270.37	3775390.02	2.01241	478320.37	3775390.02	2.07484
478370.37	3775390.02	2.13596	478420.37	3775390.02	2.20091
478470.37	3775390.02	2.26417	478520.37	3775390.02	2.32833
478570.37	3775390.02	2.39539	478620.37	3775390.02	2.46007
478670.37	3775390.02	2.52699	478720.37	3775390.02	2.59141
478770.37	3775390.02	2.65449	478820.37	3775390.02	2.71889
478870.37	3775390.02	2.77882	478920.37	3775390.02	2.83878
478970.37	3775390.02	2.89352	479020.37	3775390.02	2.94713
479070.37	3775390.02	2.99483	479120.37	3775390.02	3.03895
479170.37	3775390.02	3.07863	479220.37	3775390.02	3.11259
479270.37	3775390.02	3.14172	479320.37	3775390.02	3.16506
479370.37	3775390.02	3.18300	479420.37	3775390.02	3.19530
479470.37	3775390.02	3.20204	479520.37	3775390.02	3.20358
479570.37	3775390.02	3.19988	479620.37	3775390.02	3.15135

```
         479670.37    3775390.02        2.84763                        479720.37
3775390.02        2.74404
         479770.37    3775390.02        2.69347                        479820.37
3775390.02        2.64382
         479870.37    3775390.02        2.60424                        479920.37
3775390.02        2.54053
         479970.37    3775390.02        2.51505                        477970.37
3775440.02        1.63335
         478020.37    3775440.02        1.68227                        478070.37
3775440.02        1.73182
         478120.37    3775440.02        1.78205                        478170.37
3775440.02        1.83590
         478220.37    3775440.02        1.88876                        478270.37
3775440.02        1.94284
         478320.37    3775440.02        2.00018                        478370.37
3775440.02        2.05678
         478420.37    3775440.02        2.11394                        478470.37
3775440.02        2.17437
         478520.37    3775440.02        2.23277                        478570.37
3775440.02        2.29407
         478620.37    3775440.02        2.35281                        478670.37
3775440.02        2.41216
         478720.37    3775440.02        2.47167                        478770.37
3775440.02        2.52852
         478820.37    3775440.02        2.58650                        478870.37
3775440.02        2.64246
         478920.37    3775440.02        2.69409                        478970.37
3775440.02        2.74311
         479020.37    3775440.02        2.79115                        479070.37
3775440.02        2.83386
         479120.37    3775440.02        2.87342                        479170.37
3775440.02        2.90908
         479220.37    3775440.02        2.93968                        479270.37
3775440.02        2.96611
         479320.37    3775440.02        2.98745                        479370.37
3775440.02        3.00411
         479420.37    3775440.02        3.01581                        479470.37
3775440.02        3.02267
         479520.37    3775440.02        3.02494                        479570.37
3775440.02        3.02263
         479620.37    3775440.02        2.96810                        479670.37
3775440.02        2.69025
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479720.37	3775440.02	2.57932	479770.37	3775440.02	2.54459
479820.37	3775440.02	2.48978	479870.37	3775440.02	2.45271
479920.37	3775440.02	2.40045	479970.37	3775440.02	2.38710
477970.37	3775490.02	1.58809	478020.37	3775490.02	1.63247
478070.37	3775490.02	1.68007	478120.37	3775490.02	1.72705
478170.37	3775490.02	1.77652	478220.37	3775490.02	1.82630
478270.37	3775490.02	1.87636	478320.37	3775490.02	1.92897
478370.37	3775490.02	1.98157	478420.37	3775490.02	2.03413
478470.37	3775490.02	2.08960	478520.37	3775490.02	2.14302
478570.37	3775490.02	2.19900	478620.37	3775490.02	2.25246
478670.37	3775490.02	2.30637	478720.37	3775490.02	2.36031
478770.37	3775490.02	2.41170	478820.37	3775490.02	2.46406
478870.37	3775490.02	2.51453	478920.37	3775490.02	2.56098
478970.37	3775490.02	2.60505	479020.37	3775490.02	2.64827
479070.37	3775490.02	2.68667	479120.37		

3775490.02 2.72228
479170.37 3775490.02 2.75446 479220.37
3775490.02 2.78215
479270.37 3775490.02 2.80622 479320.37
3775490.02 2.82577
479370.37 3775490.02 2.84125 479420.37
3775490.02 2.85235
479470.37 3775490.02 2.85923 479520.37
3775490.02 2.86201
479570.37 3775490.02 2.86076 479620.37
3775490.02 2.81042
479670.37 3775490.02 2.54935 479720.37
3775490.02 2.42658
479770.37 3775490.02 2.41349 479820.37
3775490.02 2.35444
479870.37 3775490.02 2.31657 479920.37
3775490.02 2.28073
479970.37 3775490.02 2.25616 477970.37
3775540.02 1.54415
478020.37 3775540.02 1.58573 478070.37
3775540.02 1.62908
478120.37 3775540.02 1.67411 478170.37
3775540.02 1.71903
478220.37 3775540.02 1.76647 478270.37
3775540.02 1.81288
478320.37 3775540.02 1.86035 478370.37
3775540.02 1.91014
478420.37 3775540.02 1.95849 478470.37
3775540.02 2.00897
478520.37 3775540.02 2.05849 478570.37
3775540.02 2.10971
478620.37 3775540.02 2.15848 478670.37
3775540.02 2.20692
478720.37 3775540.02 2.25658 478770.37
3775540.02 2.30317
478820.37 3775540.02 2.35061 478870.37
3775540.02 2.39481
478920.37 3775540.02 2.43820 478970.37
3775540.02 2.47797
479020.37 3775540.02 2.51700 479070.37
3775540.02 2.55165
479120.37 3775540.02 2.58384 479170.37
3775540.02 2.61299
479220.37 3775540.02 2.63813 479270.37
3775540.02 2.66011
479320.37 3775540.02 2.67806 479370.37
3775540.02 2.69247
479420.37 3775540.02 2.70297 479470.37
3775540.02 2.70978
479520.37 3775540.02 2.71293 479570.37

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                  L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                  L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         479620.37   3775540.02   2.66582   479670.37
3775540.02   2.41994
         479720.37   3775540.02   2.30475   479770.37
3775540.02   2.25440
         479820.37   3775540.02   2.23822   479870.37
3775540.02   2.17888
         479920.37   3775540.02   2.16086   479970.37
3775540.02   2.11124
         478861.36   3774619.36   7.89395   478791.49
3774517.73   8.24549
         478789.65   3774444.30   9.15325   478748.80
3774449.81   8.35401
         479103.48   3774681.38   9.49660   479094.51
3774696.20   9.09369
         479077.34   3774696.98   8.92820   479101.53
3774731.70   8.44381
         479782.92   3774151.51   49.17338   479890.06
3774169.23   48.74068
         479890.06   3774137.17   40.45984   479913.68
3774138.01   39.56731

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        479911.15    3774168.38       47.54331                    479885.84
3774064.62       39.59806
        480398.50    3774179.13       53.10722                    480448.50
3774179.13       54.62256
        480498.50    3774179.13       49.17654                    479998.50
3774229.13       44.47874
        480048.50    3774229.13       41.27715                    480098.50
3774229.13       38.54913
        480148.50    3774229.13       36.11335                    480198.50
3774229.13       34.01614
        480248.50    3774229.13       32.26995                    480298.50
3774229.13       30.81092
        480348.50    3774229.13       29.49533                    480398.50
3774229.13       28.30616
        480448.50    3774229.13       27.20874                    480498.50
3774229.13       26.37893
        479998.50    3774279.13       26.40430                    480048.50
3774279.13       25.33833
        480098.50    3774279.13       24.38829                    480148.50
3774279.13       23.45713
        480198.50    3774279.13       22.68027                    480248.50
3774279.13       21.90298
        480298.50    3774279.13       21.29452                    480348.50
3774279.13       20.73451
        480398.50    3774279.13       20.19502                    480448.50
3774279.13       19.68903
        480498.50    3774279.13       19.29125                    479998.50
3774329.13       19.39909
        480048.50    3774329.13       18.79860                    480098.50
3774329.13       18.21771
        480148.50    3774329.13       17.70791                    480198.50
3774329.13       17.23176
        480248.50    3774329.13       16.79968                    480298.50
3774329.13       16.42299
        480348.50    3774329.13       16.06937                    480398.50
3774329.13       15.75875
        480448.50    3774329.13       15.48507                    480498.50
3774329.13       15.24853
        479998.50    3774379.13       15.28165                    480048.50
3774379.13       14.86117
        480098.50    3774379.13       14.44581                    480148.50
3774379.13       14.12691
        480198.50    3774379.13       13.76976                    480248.50
3774379.13       13.50775
        480298.50    3774379.13       13.22911                    480348.50
3774379.13       13.00386
        480398.50    3774379.13       12.81206                    480448.50
3774379.13       12.61406
        480498.50    3774379.13       12.46531                    479998.50
3774429.13       12.58563
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479998.50	3774479.13	10.67250	480048.50	3774479.13	10.33121
480098.50	3774479.13	10.12407	480148.50	3774479.13	9.85434
480198.50	3774479.13	9.66356	480248.50	3774479.13	9.52531
480298.50	3774479.13	9.28748	480348.50	3774479.13	9.19091
480398.50	3774479.13	9.02182	480448.50	3774479.13	8.94934
480498.50	3774479.13	8.85014	479998.50		

3774529.13 9.27850
480048.50 3774529.13 9.01413 480098.50
3774529.13 8.79313
480148.50 3774529.13 8.54113 480198.50
3774529.13 8.40651
480248.50 3774529.13 8.25166 480298.50
3774529.13 8.06241
480348.50 3774529.13 7.95532 480398.50
3774529.13 7.82122
480448.50 3774529.13 7.75886 480498.50
3774529.13 7.64205
479998.50 3774579.13 8.21584 480048.50
3774579.13 8.01553
480098.50 3774579.13 7.72342 480148.50
3774579.13 7.57863
480198.50 3774579.13 7.45436 480248.50
3774579.13 7.22453
480298.50 3774579.13 7.13101 480348.50
3774579.13 6.97074
480398.50 3774579.13 6.89538 480448.50
3774579.13 6.80142
480498.50 3774579.13 6.72711 479998.50
3774629.13 7.38997
480048.50 3774629.13 7.18489 480098.50
3774629.13 6.95095
480148.50 3774629.13 6.82176 480198.50
3774629.13 6.61522
480248.50 3774629.13 6.48488 480298.50
3774629.13 6.31976
480348.50 3774629.13 6.23479 480398.50
3774629.13 6.17497
480448.50 3774629.13 6.05160 480498.50
3774629.13 5.95566
479998.50 3774679.13 6.71667 480048.50
3774679.13 6.51791
480098.50 3774679.13 6.31879 480148.50
3774679.13 6.17205
480198.50 3774679.13 5.97706 480248.50
3774679.13 5.86108
480298.50 3774679.13 5.71857 480348.50
3774679.13 5.64686
480398.50 3774679.13 5.52672 480448.50
3774679.13 5.45379
480498.50 3774679.13 5.35871 479998.50
3774729.13 6.14517
480048.50 3774729.13 5.91474 480098.50
3774729.13 5.78854
480148.50 3774729.13 5.59598 480198.50
3774729.13 5.47589
480248.50 3774729.13 5.30819 480298.50

3774729.13   5.23508
         480348.50   3774729.13   5.14656   480398.50
3774729.13   5.05007
         480448.50   3774729.13   4.95084   480498.50
3774729.13   4.88847
         479998.50   3774779.13   5.65152   480048.50
3774779.13   5.42972
         480098.50   3774779.13   5.33279   480148.50
3774779.13   5.15749
         480198.50   3774779.13   5.00553   480248.50
3774779.13   4.88553
         480298.50   3774779.13   4.82399   480348.50
3774779.13   4.69864
         480398.50   3774779.13   4.64886   480448.50
3774779.13   4.54723
         480498.50   3774779.13   4.49336   479998.50
3774829.13   5.19446
         480048.50   3774829.13   5.02038   480098.50
3774829.13   4.93529

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                 L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                 L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         480148.50   3774829.13   4.77592   480198.50
3774829.13   4.63674

480248.50 3774829.13 4.52543 480298.50
3774829.13 4.46826
480348.50 3774829.13 4.35044 480398.50
3774829.13 4.30316
480448.50 3774829.13 4.19456 480498.50
3774829.13 4.12797
479998.50 3774879.13 4.76714 480048.50
3774879.13 4.65914
480098.50 3774879.13 4.58471 480148.50
3774879.13 4.43995
480198.50 3774879.13 4.32882 480248.50
3774879.13 4.21454
480298.50 3774879.13 4.15645 480348.50
3774879.13 4.04574
480398.50 3774879.13 3.95207 480448.50
3774879.13 3.89831
480498.50 3774879.13 3.83508 479998.50
3774929.13 4.43262
480048.50 3774929.13 4.33760 480098.50
3774929.13 4.27273
480148.50 3774929.13 4.11490 480198.50
3774929.13 4.05789
480248.50 3774929.13 3.93474 480298.50
3774929.13 3.88046
480348.50 3774929.13 3.77647 480398.50
3774929.13 3.67656
480448.50 3774929.13 3.63704 480498.50
3774929.13 3.54578
479998.50 3774979.13 4.13310 480048.50
3774979.13 4.04941
480098.50 3774979.13 3.99304 480148.50
3774979.13 3.84916
480198.50 3774979.13 3.79808 480248.50
3774979.13 3.68439
480298.50 3774979.13 3.63423 480348.50
3774979.13 3.53666
480398.50 3774979.13 3.44251 480448.50
3774979.13 3.40477
480498.50 3774979.13 3.31813 479998.50
3775029.13 3.86354
480048.50 3775029.13 3.78964 480098.50
3775029.13 3.74079
480148.50 3775029.13 3.60952 480198.50
3775029.13 3.56400
480248.50 3775029.13 3.45918 480298.50
3775029.13 3.41303
480348.50 3775029.13 3.32165 480398.50
3775029.13 3.23300
480448.50 3775029.13 3.19696 480498.50
3775029.13 3.11464

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         479998.50    3775079.13        3.61995                       480048.50
3775079.13        3.55445
         480098.50    3775079.13        3.51214                       480148.50
3775079.13        3.39218
         480198.50    3775079.13        3.35181                       480248.50
3775079.13        3.31118
         480298.50    3775079.13        3.21305                       480348.50
3775079.13        3.12767
         480398.50    3775079.13        3.04435                       480448.50
3775079.13        2.97664
         480498.50    3775079.13        2.91031                       479998.50
3775129.13        3.39677
         480048.50    3775129.13        3.34072                       480098.50
3775129.13        3.30405
         480148.50    3775129.13        3.19413                       480198.50
3775129.13        3.14727
         480248.50    3775129.13        3.10640                       480298.50
3775129.13        3.03120
         480348.50    3775129.13        2.93175                       480398.50
3775129.13        2.87188
         480448.50    3775129.13        2.80834                       480498.50
3775129.13        2.74444
         479998.50    3775179.13        3.17638                       480048.50
3775179.13        3.14589
         480098.50    3775179.13        3.05720                       480148.50
3775179.13        3.01297
         480198.50    3775179.13        2.95847                       480248.50
3775179.13        2.89612
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 152
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                  L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                  L0002516    , L0002517    , L0002518    , L0002519    , L0002520
, L0002521    , L0002522    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480298.50	3775179.13	2.82944	480348.50	3775179.13	2.75200
480398.50	3775179.13	2.71641	480448.50	3775179.13	2.61907
480498.50	3775179.13	2.57482	479998.50	3775229.13	2.99426
480048.50	3775229.13	2.96781	480098.50	3775229.13	2.87631
480148.50	3775229.13	2.84678	480198.50	3775229.13	2.80256
480248.50	3775229.13	2.74160	480298.50	3775229.13	2.67096
480348.50	3775229.13	2.60076	480398.50	3775229.13	2.53520
480448.50	3775229.13	2.47847	480498.50	3775229.13	2.42789
479998.50	3775279.13	2.82773	480048.50	3775279.13	2.80467
480098.50	3775279.13	2.72003	480148.50	3775279.13	2.69393
480198.50	3775279.13	2.64908	480248.50	3775279.13	2.59654
480298.50	3775279.13	2.54207	480348.50	3775279.13	2.45104
480398.50	3775279.13	2.40420	480448.50	3775279.13	2.34180
480498.50	3775279.13	2.29802	479998.50	3775329.13	2.67509
480048.50	3775329.13	2.65487	480098.50	3775329.13	2.57627
480148.50	3775329.13	2.55307	480198.50	3775329.13	2.49189
480248.50	3775329.13	2.46372	480298.50	3775329.13	2.37718
480348.50	3775329.13	2.32859	480398.50	3775329.13	2.25593
480448.50	3775329.13	2.22718	480498.50	3775329.13	2.16879
479998.50	3775379.13	2.53486	480048.50	3775379.13	2.49067
480098.50	3775379.13	2.44112	480148.50	3775379.13	2.42304
480198.50	3775379.13	2.35161	480248.50		

3775379.13   2.30481
         480298.50   3775379.13   2.23357   480348.50
3775379.13   2.18340
         480398.50   3775379.13   2.14069   480448.50
3775379.13   2.09117
         480498.50   3775379.13   2.04546   479998.50
3775429.13   2.39332
         480048.50   3775429.13   2.33412   480098.50
3775429.13   2.31893
         480148.50   3775429.13   2.27117   480198.50
3775429.13   2.22720
         480248.50   3775429.13   2.15586   480298.50
3775429.13   2.11266
         480348.50   3775429.13   2.04755   480398.50
3775429.13   2.00617
         480448.50   3775429.13   1.98222   480498.50
3775429.13   1.93806
         479998.50   3775479.13   2.24796   480048.50
3775479.13   2.21952
         480098.50   3775479.13   2.20592   480148.50
3775479.13   2.14956
         480198.50   3775479.13   2.08837   480248.50
3775479.13   2.02561
         480298.50   3775479.13   1.97407   480348.50
3775479.13   1.92985
         480398.50   3775479.13   1.89026   480448.50
3775479.13   1.87108
         480498.50   3775479.13   1.82255   480254.72
3774120.37   37.16855
         480287.52   3774147.62   47.56683   480349.09
3774140.55   46.06629
         480381.90   3774044.67   33.12604   480443.97
3774003.79   38.42218
         480407.64   3774005.81   38.71808   480390.48
3774008.33   38.38899
         480543.03   3774446.66   9.74033   480593.03
3774446.66   9.63495

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010

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, L0000011    , L0000012    , L0002507    ,
                L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                L0002516    , L0002517    , L0002518    , L0002519    , L0002520
, L0002521    , L0002522    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         480643.03    3774446.66        9.58574                       480693.03
3774446.66        9.52520
         480743.03    3774446.66        9.48394                       480793.03
3774446.66        9.38272
         480843.03    3774446.66        9.32520                       480893.03
3774446.66        9.21404
         480943.03    3774446.66        9.10860                       480993.03
3774446.66        9.00791
         481043.03    3774446.66        8.86995                       481093.03
3774446.66        8.74602
         481143.03    3774446.66        8.60235                       481193.03
3774446.66        8.45059
         481243.03    3774446.66        8.29953                       481293.03
3774446.66        8.12412
         481343.03    3774446.66        7.90034                       481393.03
3774446.66        7.71925
         481443.03    3774446.66        7.50171                       480543.03
3774496.66        8.33999
         480593.03    3774496.66        8.23673                       480643.03
3774496.66        8.18706
         480693.03    3774496.66        8.12012                       480743.03
3774496.66        8.05314
         480793.03    3774496.66        7.99479                       480843.03
3774496.66        7.95127
         480893.03    3774496.66        7.85663                       480943.03
3774496.66        7.77150
         480993.03    3774496.66        7.65614                       481043.03
3774496.66        7.56665
         481093.03    3774496.66        7.46738                       481143.03
3774496.66        7.34724
         481193.03    3774496.66        7.19538                       481243.03
3774496.66        7.08251
         481293.03    3774496.66        6.89707                       481343.03
3774496.66        6.71829
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         481393.03    3774496.66        6.51542                        481443.03
3774496.66        6.37092
         481493.03    3774496.66        6.13905                        480543.03
3774546.66        7.21320
         480593.03    3774546.66        7.15895                        480643.03
3774546.66        7.10925
         480693.03    3774546.66        7.04031                        480743.03
3774546.66        6.97439
         480793.03    3774546.66        6.91836                        480843.03
3774546.66        6.88136
         480893.03    3774546.66        6.77382                        480943.03
3774546.66        6.70620
         480993.03    3774546.66        6.61328                        481043.03
3774546.66        6.54761
         481093.03    3774546.66        6.43390                        481143.03
3774546.66        6.32076
         481193.03    3774546.66        6.22039                        481243.03
3774546.66        6.07233
         481293.03    3774546.66        5.90658                        481343.03
3774546.66        5.79297
         481393.03    3774546.66        5.61231                        481443.03
3774546.66        5.44823
         481493.03    3774546.66        5.29174                        481543.03
3774546.66        5.12007
         480543.03    3774596.66        6.35742                        480593.03
3774596.66        6.31782
         480643.03    3774596.66        6.22008                        480693.03
3774596.66        6.19495
         480743.03    3774596.66        6.10097                        480793.03
3774596.66        6.07291
         480843.03    3774596.66        5.98165                        480893.03
3774596.66        5.93677
         480943.03    3774596.66        5.86047                        480993.03
3774596.66        5.78948
         481043.03    3774596.66        5.70200                        481093.03
3774596.66        5.61233
         481143.03    3774596.66        5.50922                        481193.03
3774596.66        5.40660
         481243.03    3774596.66        5.27907                        481293.03
3774596.66        5.14659
         481343.03    3774596.66        5.01718                        481393.03
3774596.66        4.87629
         481443.03    3774596.66        4.73526                        481493.03
3774596.66        4.59286
         481543.03    3774596.66        4.43255                        480543.03
3774646.66        5.68519
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480593.03	3774646.66	5.61374	480643.03	3774646.66	5.55333
480693.03	3774646.66	5.50692	480743.03	3774646.66	5.43078
480793.03	3774646.66	5.37649	480843.03	3774646.66	5.30360
480893.03	3774646.66	5.23423	480943.03	3774646.66	5.17323
480993.03	3774646.66	5.12376	481043.03	3774646.66	5.02353
481093.03	3774646.66	4.92659	481143.03	3774646.66	4.86630
481193.03	3774646.66	4.75213	481243.03	3774646.66	4.65505
481293.03	3774646.66	4.53739	481343.03	3774646.66	4.42657
481393.03	3774646.66	4.29857	481443.03	3774646.66	4.17210
481493.03	3774646.66	4.03912	481543.03	3774646.66	3.91734
480543.03	3774696.66	5.14967	480593.03	3774696.66	5.05850
480643.03	3774696.66	5.01564	480693.03	3774696.66	4.93090
480743.03	3774696.66	4.89078	480793.03		

3774696.66 4.83593
480843.03 3774696.66 4.76406 480893.03
3774696.66 4.67992
480943.03 3774696.66 4.62869 480993.03
3774696.66 4.55432
481043.03 3774696.66 4.47592 481093.03
3774696.66 4.40522
481143.03 3774696.66 4.30523 481193.03
3774696.66 4.24384
481243.03 3774696.66 4.10583 481293.03
3774696.66 4.04735
481343.03 3774696.66 3.91975 481393.03
3774696.66 3.79142
481443.03 3774696.66 3.71991 481493.03
3774696.66 3.57917
481543.03 3774696.66 3.44804 480543.03
3774746.66 4.65507
480593.03 3774746.66 4.60776 480643.03
3774746.66 4.53852
480693.03 3774746.66 4.48049 480743.03
3774746.66 4.42294
480793.03 3774746.66 4.35544 480843.03
3774746.66 4.32247
480893.03 3774746.66 4.23515 480943.03
3774746.66 4.17641
480993.03 3774746.66 4.11717 481043.03
3774746.66 4.02021
481093.03 3774746.66 3.96915 481143.03
3774746.66 3.87515
481193.03 3774746.66 3.76698 481243.03
3774746.66 3.67831
481293.03 3774746.66 3.59328 481343.03
3774746.66 3.49454
481393.03 3774746.66 3.39242 481443.03
3774746.66 3.29389
481493.03 3774746.66 3.18482 481543.03
3774746.66 3.07644
480543.03 3774796.66 4.28508 480593.03
3774796.66 4.20252
480643.03 3774796.66 4.14470 480693.03
3774796.66 4.05927
480743.03 3774796.66 4.02086 480793.03
3774796.66 3.98918
480843.03 3774796.66 3.91509 480893.03
3774796.66 3.87113
480943.03 3774796.66 3.79352 480993.03
3774796.66 3.71103
481043.03 3774796.66 3.65884 481093.03
3774796.66 3.56876
481143.03 3774796.66 3.50535 481193.03

3774796.66 3.40818
481243.03 3774796.66 3.34089 481293.03
3774796.66 3.25640
481343.03 3774796.66 3.15148 481393.03
3774796.66 3.07822

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 ,
L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 ,
L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
481443.03	3774796.66	2.96882	481493.03	3774796.66	2.87100
481543.03	3774796.66	2.75205	480543.03	3774846.66	3.95552
480593.03	3774846.66	3.87098	480643.03	3774846.66	3.81060
480693.03	3774846.66	3.70669	480743.03	3774846.66	3.68278
480793.03	3774846.66	3.67897	480843.03	3774846.66	3.60752
480893.03	3774846.66	3.56414	480943.03	3774846.66	3.47515
480993.03	3774846.66	3.40466	481043.03	3774846.66	3.33696
481093.03	3774846.66	3.24975	481143.03	3774846.66	3.16633

481193.03 3774846.66 3.12432 481243.03 3774846.66 3.02606
481293.03 3774846.66 2.94935 481343.03 3774846.66 2.85606
481393.03 3774846.66 2.76456 481443.03 3774846.66 2.68131
481493.03 3774846.66 2.60265 481543.03 3774846.66 2.50577
480543.03 3774896.66 3.67848 480593.03 3774896.66 3.59071
480643.03 3774896.66 3.50318 480693.03 3774896.66 3.43320
480743.03 3774896.66 3.39474 480793.03 3774896.66 3.36758
480843.03 3774896.66 3.33870 480893.03 3774896.66 3.28154
480943.03 3774896.66 3.21490 480993.03 3774896.66 3.14749
481043.03 3774896.66 3.06246 481093.03 3774896.66 2.98437
481143.03 3774896.66 2.92203 481193.03 3774896.66 2.84534
481243.03 3774896.66 2.77711 481293.03 3774896.66 2.70267
481343.03 3774896.66 2.62362 481393.03 3774896.66 2.53531
481443.03 3774896.66 2.44651 481493.03 3774896.66 2.35530
481543.03 3774896.66 2.27669 480543.03 3774946.66 3.38943
480593.03 3774946.66 3.35050 480643.03 3774946.66 3.26756
480693.03 3774946.66 3.20107 480743.03 3774946.66 3.15860
480793.03 3774946.66 3.13528 480843.03 3774946.66 3.10504
480893.03 3774946.66 3.02716 480943.03 3774946.66 2.95922
480993.03 3774946.66 2.88720 481043.03 3774946.66 2.80547
481093.03 3774946.66 2.74847 481143.03 3774946.66 2.67282
481193.03 3774946.66 2.61724 481243.03 3774946.66 2.54537
481293.03 3774946.66 2.46565 481343.03 3774946.66 2.39063
481393.03 3774946.66 2.31504 481443.03 3774946.66 2.23142
481493.03 3774946.66 2.14324 481543.03 3774946.66 2.09679

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478170.37	3774040.02	11.33713	(16101924)	478220.37	3774040.02	12.05352	(16101924)
478270.37	3774040.02	12.93507	(16101924)	478320.37	3774040.02	13.83191	(16101924)
478170.37	3774090.02	11.54958	(15012917)	478220.37	3774090.02	12.27142	(15012917)
478270.37	3774090.02	13.16721	(15012917)	478320.37	3774090.02	14.07583	(15012917)
478170.37	3774140.02	11.47209	(15012917)	478220.37	3774140.02	12.18706	(15012917)
478270.37	3774140.02	13.06657	(15012917)	478320.37	3774140.02	13.96042	(15012917)
478170.37	3774190.02	11.17922	(15012908)	478220.37	3774190.02	11.90154	(15012908)
478270.37	3774190.02	12.72674	(15012908)	478320.37	3774190.02	13.61854	(16100705)
478170.37	3774240.02	11.14521	(16100705)	478220.37	3774240.02	11.84500	(16100705)
478270.37	3774240.02	12.64066	(16100705)	478320.37	3774240.02	13.46238	(16100705)
478370.37	3774240.02	14.40521	(16100705)	478420.37	3774240.02	15.48685	(16100705)
478470.37	3774240.02	16.67662	(13112720)	478520.37	3774240.02	18.38353	(13112720)
478570.37	3774240.02	20.18699	(13112720)	479170.37			

3774240.02 142.11461 (14091624)
479220.37 3774240.02 184.09271 (13021808) 479270.37
3774240.02 256.61979 (14030117)
479320.37 3774240.02 267.58976 (15011116) 479370.37
3774240.02 355.84133 (13112916)
479420.37 3774240.02 172.55415 (13112916) 479470.37
3774240.02 139.56262 (14041207)
479520.37 3774240.02 124.66145 (14041207) 479570.37
3774240.02 97.49474 (12041107)
479620.37 3774240.02 87.09331 (12041107) 479670.37
3774240.02 74.09410 (12041107)
479720.37 3774240.02 60.23615 (12041107) 479770.37
3774240.02 48.22811 (12041107)
479820.37 3774240.02 37.88900 (12041107) 479870.37
3774240.02 29.58635 (12041107)
479920.37 3774240.02 26.25794 (16102817) 479970.37
3774240.02 34.09539 (13083021)
478170.37 3774290.02 10.81852 (13112720) 478220.37
3774290.02 11.59121 (13112720)
478270.37 3774290.02 12.46562 (13112720) 478320.37
3774290.02 13.37348 (13112720)
478370.37 3774290.02 14.40644 (13112720) 478420.37
3774290.02 15.58035 (13112720)
478470.37 3774290.02 16.80032 (13112720) 478520.37
3774290.02 18.27920 (13112720)
478570.37 3774290.02 19.76674 (13112720) 479170.37
3774290.02 111.17569 (16092018)
479220.37 3774290.02 131.28358 (16021806) 479270.37
3774290.02 162.45917 (13090718)
479320.37 3774290.02 158.94188 (15011116) 479370.37
3774290.02 199.67849 (13112916)
479420.37 3774290.02 178.20215 (13112916) 479470.37
3774290.02 95.21181 (15101019)
479520.37 3774290.02 81.88796 (16041118) 479570.37
3774290.02 74.48329 (14041207)
479620.37 3774290.02 67.67812 (14041207) 479670.37
3774290.02 55.96310 (14041207)
479720.37 3774290.02 51.81755 (12041107) 479770.37
3774290.02 47.43163 (12041107)
479820.37 3774290.02 41.59111 (12041107) 479870.37
3774290.02 35.49399 (12041107)
479920.37 3774290.02 29.76860 (12041107) 479970.37
3774290.02 34.83154 (12081023)
478170.37 3774340.02 10.97267 (13112720) 478220.37
3774340.02 11.66435 (13112720)
478270.37 3774340.02 12.43301 (13112720) 478320.37
3774340.02 13.20486 (13112720)
478370.37 3774340.02 14.06187 (13112720) 478420.37
3774340.02 15.17326 (14011323)
478470.37 3774340.02 16.55906 (16111017) 478520.37

3774340.02   18.13162 (16111017)
        478570.37   3774340.02   19.77672 (16111017)   479170.37
3774340.02   87.43607 (13021808)
        479220.37   3774340.02   98.26005 (15122518)   479270.37
3774340.02   116.06957 (13090718)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                 L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        479320.37   3774340.02   109.10415 (14022508)   479370.37
3774340.02   101.41892 (13112916)
        479420.37   3774340.02   135.13580 (13112916)   479470.37
3774340.02   99.63783 (13112916)
        479520.37   3774340.02   66.95942 (13102820)   479570.37
3774340.02   60.53796 (16041118)
        479620.37   3774340.02   51.36806 (16041118)   479670.37
3774340.02   46.06569 (14041207)
        479720.37   3774340.02   42.19266 (14041207)   479770.37
3774340.02   36.15366 (14041207)
        479820.37   3774340.02   33.45690 (12041107)   479870.37
3774340.02   32.24789 (12082819)
        479920.37   3774340.02   36.95550 (16111417)   479970.37
3774340.02   34.58789 (16111417)
        478170.37   3774390.02   10.70083 (14011323)   478220.37
3774390.02   11.38782 (14011323)
        478270.37   3774390.02   12.18124 (16111017)   478320.37
3774390.02   13.10420 (16111017)
        478370.37   3774390.02   14.18523 (16111017)   478420.37
3774390.02   15.24040 (16111017)

```
        478470.37   3774390.02       16.42435  (16111017)              478520.37
3774390.02       17.61354  (16111017)
        478570.37   3774390.02       18.77441  (16111017)              479170.37
3774390.02       70.42968  (16021806)
        479220.37   3774390.02       77.70570  (13090718)              479270.37
3774390.02       87.66871  (13090718)
        479320.37   3774390.02       82.83587  (14022508)              479370.37
3774390.02       77.69256  (16111019)
        479420.37   3774390.02       89.91634  (13112916)              479470.37
3774390.02       90.37031  (13112916)
        479520.37   3774390.02       61.41623  (13112916)              479570.37
3774390.02       50.75141  (13102820)
        479620.37   3774390.02       46.83455  (16041118)              479670.37
3774390.02       41.50585  (16041118)
        479720.37   3774390.02       35.31385  (12092019)              479770.37
3774390.02       31.25382  (15121924)
        479820.37   3774390.02       33.47746  (13090921)              479870.37
3774390.02       38.81015  (13081722)
        479920.37   3774390.02       35.61192  (13081722)              479970.37
3774390.02       33.88682  (15062801)
        478170.37   3774440.02       10.74822  (16111017)              478220.37
3774440.02       11.46605  (16111017)
        478270.37   3774440.02       12.22971  (16111017)              478320.37
3774440.02       12.97647  (16111017)
        478370.37   3774440.02       13.82824  (16111017)              478420.37
3774440.02       14.59631  (16111017)
        478470.37   3774440.02       15.65226  (13052302)              478520.37
3774440.02       16.81730  (13052302)
        478570.37   3774440.02       17.97137  (16100301)              478620.37
3774440.02       19.66912  (16100301)
        478670.37   3774440.02       21.71980  (15091504)              478720.37
3774440.02       23.96725  (15091504)
        478770.37   3774440.02       26.01864  (15091504)              478820.37
3774440.02       28.81460  (16021808)
        479320.37   3774440.02       65.74385  (14022508)              479370.37
3774440.02       63.45491  (16111019)
        479420.37   3774440.02       57.59524  (16122407)              479470.37
3774440.02       70.92604  (13112916)
        479520.37   3774440.02       60.94146  (13112916)              479570.37
3774440.02       46.35305  (15101019)
        479620.37   3774440.02       40.19300  (13102820)              479670.37
3774440.02       37.61108  (16041118)
        479720.37   3774440.02       34.37465  (16041118)              479770.37
3774440.02       30.18838  (16041118)
        479820.37   3774440.02       38.94088  (16072821)              479870.37
3774440.02       37.14308  (15082722)
        479920.37   3774440.02       35.52192  (13062306)              479970.37
3774440.02       32.58686  (13081722)
        478170.37   3774490.02       10.64107  (16111017)              478220.37
3774490.02       11.24652  (16111017)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478270.37	3774490.02	11.78584	(16111017)	478320.37	3774490.02	12.40166	(13052302)
478370.37	3774490.02	13.28419	(13052302)	478420.37	3774490.02	14.08160	(13052302)
478470.37	3774490.02	15.04269	(16100301)	478520.37	3774490.02	16.22860	(16100301)
478570.37	3774490.02	17.64126	(15091504)	478620.37	3774490.02	19.40724	(15091504)
478670.37	3774490.02	20.93938	(15091504)	478720.37	3774490.02	22.45924	(13050502)
478749.26	3774487.73	23.65136	(16021808)	478820.37	3774490.02	27.65106	(16021808)
479370.37	3774490.02	52.70165	(16111019)	479420.37	3774490.02	46.50757	(16122407)
479470.37	3774490.02	51.75160	(13112916)	479520.37	3774490.02	53.41441	(13112916)
479570.37	3774490.02	42.58527	(13112916)	479620.37	3774490.02	37.36744	(15101019)
479670.37	3774490.02	32.85109	(13102820)	479720.37	3774490.02	31.08633	(16041118)
479770.37	3774490.02	31.62591	(16041118)	479820.37	3774490.02	38.59260	(15072106)
479870.37	3774490.02	35.64617	(16061920)	479920.37	3774490.02	34.13845	(15082722)
479970.37	3774490.02	31.51222	(14083022)	478170.37			

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3774540.02       10.19416  (13052302)
        478220.37   3774540.02       10.83401  (13052302)                478270.37
3774540.02       11.43130  (13052302)
        478320.37   3774540.02       12.00990  (13052302)                478370.37
3774540.02       12.81829  (16100301)
        478420.37   3774540.02       13.67884  (16100301)                478470.37
3774540.02       14.76592  (15091504)
        478520.37   3774540.02       16.03914  (15091504)                478570.37
3774540.02       17.20908  (15091504)
        478620.37   3774540.02       18.34205  (15091504)                478670.37
3774540.02       19.67836  (16021808)
        478720.37   3774540.02       21.82228  (16021808)                478764.86
3774550.58       23.13088  (16021808)
        478807.52   3774552.41       24.31252  (14091624)                479370.37
3774540.02       44.46540  (16111019)
        479420.37   3774540.02       40.66022  (16111019)                479470.37
3774540.02       39.42453  (16122407)
        479520.37   3774540.02       43.31717  (13112916)                479570.37
3774540.02       40.32475  (13112916)
        479620.37   3774540.02       33.34356  (15101019)                479670.37
3774540.02       30.88320  (15101019)
        479720.37   3774540.02       27.61333  (13102820)                479770.37
3774540.02       37.57521  (12071219)
        479820.37   3774540.02       37.07605  (12071219)                479870.37
3774540.02       33.98312  (15072106)
        479920.37   3774540.02       32.49552  (15072106)                479970.37
3774540.02       30.10603  (16072821)
        478170.37   3774590.02       10.00446  (13052302)                478220.37
3774590.02       10.45677  (13052302)
        478270.37   3774590.02       11.08211  (16100301)                478320.37
3774590.02       11.78515  (16100301)
        478370.37   3774590.02       12.57759  (15091504)                478420.37
3774590.02       13.54793  (15091504)
        478470.37   3774590.02       14.55373  (15091504)                478520.37
3774590.02       15.37546  (15091504)
        478570.37   3774590.02       16.39082  (13050502)                478620.37
3774590.02       17.71197  (16021808)
        478670.37   3774590.02       19.31704  (16021808)                478720.37
3774590.02       20.60710  (16021808)
        478776.33   3774602.87       21.89305  (14091624)                478804.31
3774604.25       22.72045  (14091624)
        479370.37   3774590.02       38.04365  (16111019)                479420.37
3774590.02       36.03552  (16111019)
        479470.37   3774590.02       33.76576  (16122407)                479520.37
3774590.02       33.47171  (13112916)
        479570.37   3774590.02       35.31653  (13112916)                479620.37
3774590.02       30.41931  (13112916)
        479670.37   3774590.02       28.22885  (15101019)                479720.37
3774590.02       28.95594  (15101019)
        479770.37   3774590.02       36.14245  (12071219)                479820.37
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3774590.02   35.37169 (12071219)
        479870.37   3774590.02   33.16303 (12071219)   479920.37
3774590.02   30.77101 (14092320)
        479970.37   3774590.02   29.85099 (15072106)   478170.37
3774640.02   9.75489 (16100301)
        478220.37   3774640.02   10.28128 (16100301)   478270.37
3774640.02   10.86568 (15091504)
        478320.37   3774640.02   11.68638 (15091504)   478370.37
3774640.02   12.45137 (15091504)
        478420.37   3774640.02   13.12452 (15091504)   478470.37
3774640.02   13.83604 (13050502)
        478520.37   3774640.02   14.62345 (13050502)   478570.37
3774640.02   16.01408 (16021808)
        478620.37   3774640.02   17.22741 (16021808)   478670.37
3774640.02   18.17150 (16021808)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478720.37   3774640.02   19.30553 (14091624)   478770.37
3774640.02   20.68212 (14091624)
        478820.37   3774640.02   21.95519 (16092018)   478870.37
3774640.02   23.73521 (16092018)
        479370.37   3774640.02   32.94755 (16111019)   479420.37
3774640.02   32.08904 (16111019)
        479470.37   3774640.02   28.87747 (16122407)   479520.37
3774640.02   29.17988 (16122407)
        479570.37   3774640.02   29.31811 (13112916)   479620.37
3774640.02   28.34097 (13112916)

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        479670.37   3774640.02       25.09063  (13100917)               479720.37
3774640.02       29.58696  (15101019)
        479770.37   3774640.02       33.84347  (13063021)               479820.37
3774640.02       31.51322  (12071219)
        479870.37   3774640.02       32.17448  (12071219)               479920.37
3774640.02       30.09140  (12071219)
        479970.37   3774640.02       28.26575  (14092320)               478170.37
3774690.02        9.56270  (15091504)
        478220.37   3774690.02       10.20012  (15091504)               478270.37
3774690.02       10.81015  (15091504)
        478320.37   3774690.02       11.42064  (15091504)               478370.37
3774690.02       11.91298  (15091504)
        478420.37   3774690.02       12.54099  (13050502)               478470.37
3774690.02       13.37842  (16021808)
        478520.37   3774690.02       14.46232  (16021808)               478570.37
3774690.02       15.46832  (16021808)
        478620.37   3774690.02       16.12441  (16021808)               478670.37
3774690.02       17.17133  (14091624)
        478720.37   3774690.02       18.26628  (14091624)               478770.37
3774690.02       19.17960  (16092018)
        478820.37   3774690.02       20.75890  (16092018)               478868.71
3774700.63       21.07743  (14040103)
        478861.34   3774671.12       22.21957  (16092018)               479026.61
3774722.40       23.59666  (16021806)
        479059.05   3774696.65       25.06587  (16021806)               479113.74
3774695.09       26.90464  (15122518)
        479370.37   3774690.02       28.80827  (16111019)               479420.37
3774690.02       28.69614  (16111019)
        479470.37   3774690.02       25.76134  (16111019)               479520.37
3774690.02       25.87426  (16122407)
        479570.37   3774690.02       24.84766  (16122407)               479620.37
3774690.02       24.94904  (13112916)
        479670.37   3774690.02       22.92636  (16112620)               479720.37
3774690.02       30.87052  (15101019)
        479770.37   3774690.02       31.53677  (15101019)               479820.37
3774690.02       30.76742  (13063021)
        479870.37   3774690.02       29.02183  (15070603)               479920.37
3774690.02       28.56387  (12071219)
        479970.37   3774690.02       27.75479  (12071219)               478170.37
3774740.02        9.54879  (15091504)
        478220.37   3774740.02       10.02235  (15091504)               478270.37
3774740.02       10.43774  (15091504)
        478320.37   3774740.02       10.94268  (13050502)               478370.37
3774740.02       11.45558  (13050502)
        478420.37   3774740.02       12.27825  (16021808)               478470.37
3774740.02       13.19806  (16021808)
        478520.37   3774740.02       13.89861  (16021808)               478570.37
3774740.02       14.44616  (16021808)
        478620.37   3774740.02       15.33798  (14091624)               478670.37
3774740.02       16.29584  (14091624)
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        478720.37   3774740.02       16.97546  (16092018)               478770.37
3774740.02       18.32175  (16092018)
        478820.37   3774740.02       19.02278  (16092018)               478862.96
3774730.27       19.96676  (14040103)
        479020.37   3774740.02       22.66544  (16021806)               479070.37
3774740.02       23.53100  (15122518)
        479120.37   3774740.02       24.36486  (15122518)               479370.37
3774740.02       25.54489  (14022508)
        479420.37   3774740.02       25.78076  (16111019)               479470.37
3774740.02       23.77997  (16111019)
        479520.37   3774740.02       22.87270  (16122407)               479570.37
3774740.02       22.73520  (16122407)
        479620.37   3774740.02       21.40049  (12121601)               479670.37
3774740.02       20.83666  (13112916)
        479720.37   3774740.02       30.55315  (15031520)               479770.37
3774740.02       28.88678  (16090403)
        479820.37   3774740.02       29.03841  (14101507)               479870.37
3774740.02       27.76411  (13063021)
        479920.37   3774740.02       25.94040  (15070603)               479970.37
3774740.02       26.43886  (12071219)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 160
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                    INCLUDING SOURCE(S):     L0002507    , L0002508
, L0002509    , L0002510    , L0002511    ,
                  L0002512    , L0002513    , L0002514    , L0002515    , L0002516
, L0002517    , L0002518    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        478170.37   3774790.02        9.28507  (15091504)               478220.37
3774790.02        9.59640  (13050502)
        478270.37   3774790.02       10.05729  (13050502)               478320.37
3774790.02       10.56844  (16021808)
        478370.37   3774790.02       11.34694  (16021808)               478420.37
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3774790.02 12.09308 (16021808)
478470.37 3774790.02 12.63158 (16021808) 478520.37
3774790.02 12.98372 (16021808)
478570.37 3774790.02 13.87567 (14091624) 478620.37
3774790.02 14.59806 (14091624)
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3774790.02 16.29460 (16092018)
478770.37 3774790.02 17.02155 (16092018) 478820.37
3774790.02 17.54152 (14040103)
478870.37 3774790.02 18.58682 (13021808) 478920.37
3774790.02 19.29120 (16121606)
478970.37 3774790.02 20.10927 (16021806) 479020.37
3774790.02 20.33089 (16021806)
479070.37 3774790.02 21.58952 (15122518) 479120.37
3774790.02 22.43353 (13090718)
479370.37 3774790.02 23.10377 (14022508) 479420.37
3774790.02 23.26953 (16111019)
479470.37 3774790.02 21.91281 (16111019) 479520.37
3774790.02 20.18746 (16122407)
479570.37 3774790.02 20.63441 (16122407) 479620.37
3774790.02 19.74305 (16122407)
479670.37 3774790.02 19.02967 (12121601) 479720.37
3774790.02 29.12266 (15062006)
479770.37 3774790.02 26.74715 (15031120) 479820.37
3774790.02 27.04914 (16090403)
479870.37 3774790.02 25.99331 (14101507) 479920.37
3774790.02 25.79812 (13063021)
479970.37 3774790.02 24.54067 (15090821) 477970.37
3774840.02 7.58963 (15091504)
478020.37 3774840.02 7.97443 (15091504) 478070.37
3774840.02 8.30396 (15091504)
478120.37 3774840.02 8.60024 (15091504) 478170.37
3774840.02 8.94793 (13050502)
478220.37 3774840.02 9.30312 (13050502) 478270.37
3774840.02 9.88083 (16021808)
478320.37 3774840.02 10.52165 (16021808) 478370.37
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478420.37 3774840.02 11.53707 (16021808) 478470.37
3774840.02 11.77167 (14091624)
478520.37 3774840.02 12.59990 (14091624) 478570.37
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3774840.02 14.65489 (16092018)
478720.37 3774840.02 15.28390 (16092018) 478770.37
3774840.02 15.74780 (14040103)
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479020.37 3774840.02 18.74048 (15122518) 479070.37

3774840.02   19.75396 (15122518)
        479120.37   3774840.02   20.94685 (13090718)   479170.37
3774840.02   22.65402 (13090718)
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        479320.37   3774840.02   21.36233 (14022508)   479370.37
3774840.02   21.02605 (14022508)
        479420.37   3774840.02   21.08658 (16111019)   479470.37
3774840.02   20.24032 (16111019)
        479520.37   3774840.02   18.06677 (16111019)   479570.37
3774840.02   18.65731 (16122407)
        479620.37   3774840.02   18.37175 (16122407)   479670.37
3774840.02   26.15484 (16111018)
        479720.37   3774840.02   26.98338 (15062006)   479770.37
3774840.02   25.73121 (15062006)
        479820.37   3774840.02   25.27166 (15031120)   479870.37
3774840.02   24.35261 (16090403)
        479920.37   3774840.02   24.36630 (14071423)   479970.37
3774840.02   23.52069 (13063021)
        477970.37   3774890.02   7.49296 (15091504)   478020.37
3774890.02   7.73579 (15091504)
        478070.37   3774890.02   7.99502 (13050502)   478120.37
3774890.02   8.34778 (13050502)
        478170.37   3774890.02   8.62315 (16021808)   478220.37
3774890.02   9.20815 (16021808)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                 L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -

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        478270.37   3774890.02        9.78102  (16021808)               478320.37
3774890.02       10.21935  (16021808)
        478370.37   3774890.02       10.53399  (16021808)               478420.37
3774890.02       10.84174  (14091624)
        478470.37   3774890.02       11.52575  (14091624)               478520.37
3774890.02       12.04749  (14091624)
        478570.37   3774890.02       12.34427  (14091624)               478620.37
3774890.02       13.25306  (16092018)
        478670.37   3774890.02       13.86589  (16092018)               478720.37
3774890.02       14.17725  (14040103)
        478770.37   3774890.02       14.64805  (13021808)               478820.37
3774890.02       15.48744  (13021808)
        478870.37   3774890.02       16.00660  (16121606)               478920.37
3774890.02       16.58966  (16021806)
        478970.37   3774890.02       16.75761  (16021806)               479020.37
3774890.02       17.53011  (15122518)
        479070.37   3774890.02       18.05062  (15122518)               479120.37
3774890.02       19.54226  (13090718)
        479170.37   3774890.02       20.75995  (13090718)               479220.37
3774890.02       20.51040  (13090718)
        479270.37   3774890.02       19.57521  (14121123)               479320.37
3774890.02       19.44505  (14022508)
        479370.37   3774890.02       19.24119  (14022508)               479420.37
3774890.02       19.20158  (16111019)
        479470.37   3774890.02       18.71844  (16111019)               479520.37
3774890.02       17.05305  (16111019)
        479570.37   3774890.02       16.82715  (16122407)               479620.37
3774890.02       16.97799  (16122407)
        479670.37   3774890.02       24.58067  (16111018)               479720.37
3774890.02       24.44802  (15062006)
        479770.37   3774890.02       24.40689  (15062006)               479820.37
3774890.02       23.79835  (15062006)
        479870.37   3774890.02       22.70394  (15031120)               479920.37
3774890.02       22.98667  (16090403)
        479970.37   3774890.02       22.16498  (14071423)               477970.37
3774940.02        7.21731  (15091504)
        478020.37   3774940.02        7.50224  (13050502)               478070.37
3774940.02        7.77203  (13050502)
        478120.37   3774940.02        8.14446  (16021808)               478170.37
3774940.02        8.63869  (16021808)
        478220.37   3774940.02        9.07270  (16021808)               478270.37
3774940.02        9.46705  (16021808)
        478320.37   3774940.02        9.70745  (16021808)               478370.37
3774940.02        9.98777  (14091624)
        478420.37   3774940.02       10.61410  (14091624)               478470.37
3774940.02       11.04217  (14091624)
        478520.37   3774940.02       11.28219  (14091624)               478570.37
3774940.02       12.04065  (16092018)
        478620.37   3774940.02       12.63330  (16092018)               478670.37
3774940.02       12.88794  (16092018)
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        478720.37   3774940.02       13.24073  (14040103)               478770.37
3774940.02       13.96525  (13021808)
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3774940.02       14.86663  (16021806)
        478920.37   3774940.02       15.37772  (16021806)               478970.37
3774940.02       15.29224  (15122518)
        479020.37   3774940.02       16.33754  (15122518)               479070.37
3774940.02       16.48848  (15122518)
        479120.37   3774940.02       18.24184  (13090718)               479170.37
3774940.02       19.08726  (13090718)
        479220.37   3774940.02       18.68189  (13090718)               479270.37
3774940.02       17.93293  (14121123)
        479320.37   3774940.02       17.80285  (14022508)               479370.37
3774940.02       17.69502  (14022508)
        479420.37   3774940.02       17.55561  (16111019)               479470.37
3774940.02       17.33864  (16111019)
        479520.37   3774940.02       16.08461  (16111019)               479570.37
3774940.02       15.15316  (16122407)
        479620.37   3774940.02       15.61317  (16122407)               479670.37
3774940.02       22.79058  (16111018)
        479720.37   3774940.02       23.10197  (16111018)               479770.37
3774940.02       23.51840  (15062006)
        479820.37   3774940.02       23.05903  (15062006)               479870.37
3774940.02       21.52984  (15031120)
        479920.37   3774940.02       21.61987  (16090403)               479970.37
3774940.02       20.89750  (16090403)
        477970.37   3774990.02        7.05339  (13050502)               478020.37
3774990.02        7.25364  (13050502)
        478070.37   3774990.02        7.67734  (16021808)               478120.37
3774990.02        8.11753  (16021808)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 162
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                    INCLUDING SOURCE(S):     L0002507    , L0002508
, L0002509    , L0002510    , L0002511    ,
                  L0002512    , L0002513    , L0002514    , L0002515    , L0002516
, L0002517    , L0002518    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478170.37	3774990.02	8.47707	(16021808)	478220.37	3774990.02	8.75737	(16021808)
478270.37	3774990.02	8.97890	(16021808)	478320.37	3774990.02	9.27889	(14091624)
478370.37	3774990.02	9.77938	(14091624)	478420.37	3774990.02	10.18642	(14091624)
478470.37	3774990.02	10.37889	(14091624)	478520.37	3774990.02	11.00058	(16092018)
478570.37	3774990.02	11.55159	(16092018)	478620.37	3774990.02	11.84362	(16092018)
478670.37	3774990.02	12.15060	(14040103)	478720.37	3774990.02	12.61307	(13021808)
478770.37	3774990.02	13.14591	(13021808)	478820.37	3774990.02	13.53112	(16121606)
478870.37	3774990.02	13.99101	(16021806)	478920.37	3774990.02	14.16417	(16021806)
478970.37	3774990.02	14.51231	(15122518)	479020.37	3774990.02	15.18896	(15122518)
479070.37	3774990.02	15.54576	(13090718)	479120.37	3774990.02	17.04424	(13090718)
479170.37	3774990.02	17.60526	(13090718)	479220.37	3774990.02	17.09622	(13090718)
479270.37	3774990.02	16.51151	(14121123)	479320.37	3774990.02	16.38308	(14022508)
479370.37	3774990.02	16.34546	(14022508)	479420.37	3774990.02	16.11124	(16111019)
479470.37	3774990.02	16.08957	(16111019)	479520.37	3774990.02	15.15999	(16111019)
479570.37	3774990.02	13.71028	(12022721)	479620.37	3774990.02	14.30919	(16122407)
479670.37	3774990.02	20.91050	(16111018)	479720.37	3774990.02	21.93193	(16111018)
479770.37	3774990.02	21.22997	(16112621)	479820.37	3774990.02	21.82526	(15062006)
479870.37	3774990.02	20.72655	(15062006)	479920.37	3774990.02	20.69790	(15031120)
479970.37	3774990.02	19.89471	(16090403)	477970.37	3775040.02	6.86293	(16021808)
478020.37	3775040.02	7.25512	(16021808)	478070.37	3775040.02	7.61888	(16021808)
478120.37	3775040.02	7.93817	(16021808)	478170.37	3775040.02	8.16282	(16021808)
478220.37	3775040.02	8.29673	(16021808)	478270.37	3775040.02	8.65113	(14091624)
478320.37	3775040.02	9.08579	(14091624)	478370.37			

3775040.02   9.40145 (14091624)
        478420.37   3775040.02   9.60541 (14091624)   478470.37
3775040.02   10.11280 (16092018)
        478520.37   3775040.02   10.61230 (16092018)   478570.37
3775040.02   10.91062 (16092018)
        478620.37   3775040.02   11.17156 (14040103)   478670.37
3775040.02   11.44784 (13021808)
        478720.37   3775040.02   12.01950 (13021808)   478770.37
3775040.02   12.32372 (16121606)
        478820.37   3775040.02   12.66932 (16021806)   478870.37
3775040.02   13.10349 (16021806)
        478920.37   3775040.02   12.98444 (16021806)   478970.37
3775040.02   13.71615 (15122518)
        479020.37   3775040.02   14.09967 (15122518)   479070.37
3775040.02   14.76505 (13090718)
        479120.37   3775040.02   15.94460 (13090718)   479170.37
3775040.02   16.28762 (13090718)
        479220.37   3775040.02   15.71162 (13090718)   479270.37
3775040.02   15.27125 (14121123)
        479320.37   3775040.02   15.14544 (14022508)   479370.37
3775040.02   15.15940 (14022508)
        479420.37   3775040.02   14.83766 (16111019)   479470.37
3775040.02   14.95904 (16111019)
        479520.37   3775040.02   14.30086 (16111019)   479570.37
3775040.02   12.96620 (16111019)
        479620.37   3775040.02   13.08423 (16122407)   479670.37
3775040.02   19.26691 (16122407)
        479720.37   3775040.02   20.56309 (16111018)   479770.37
3775040.02   19.90015 (16111018)
        479820.37   3775040.02   20.26089 (15062006)   479870.37
3775040.02   19.96879 (15062006)
        479920.37   3775040.02   19.45804 (15031120)   479970.37
3775040.02   18.95068 (15031120)
        477970.37   3775090.02   6.87429 (16021808)   478020.37
3775090.02   7.17271 (16021808)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                 L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478070.37	3775090.02	7.42907	(16021808)	478120.37	3775090.02	7.62859	(16021808)
478170.37	3775090.02	7.72606	(16021808)	478220.37	3775090.02	8.06132	(14091624)
478270.37	3775090.02	8.47202	(14091624)	478320.37	3775090.02	8.74722	(14091624)
478370.37	3775090.02	8.89189	(14091624)	478420.37	3775090.02	9.35058	(16092018)
478470.37	3775090.02	9.80235	(16092018)	478520.37	3775090.02	10.08853	(16092018)
478570.37	3775090.02	10.28967	(14040103)	478620.37	3775090.02	10.49910	(14040103)
478670.37	3775090.02	11.02210	(13021808)	478720.37	3775090.02	11.32918	(13021808)
478770.37	3775090.02	11.64230	(16121606)	478820.37	3775090.02	12.01563	(16021806)
478870.37	3775090.02	12.18709	(16021806)	478920.37	3775090.02	12.26108	(15122518)
478970.37	3775090.02	12.92473	(15122518)	479020.37	3775090.02	13.07756	(15122518)
479070.37	3775090.02	14.01566	(13090718)	479120.37	3775090.02	14.93637	(13090718)
479170.37	3775090.02	15.11188	(13090718)	479220.37	3775090.02	14.49495	(13090718)
479270.37	3775090.02	14.18121	(14121123)	479320.37	3775090.02	14.05858	(14022508)
479370.37	3775090.02	14.11051	(14022508)	479420.37	3775090.02	13.71350	(16111019)
479470.37	3775090.02	13.93509	(16111019)	479520.37	3775090.02	13.47824	(16111019)
479570.37	3775090.02	12.41479	(16111019)	479620.37	3775090.02	11.94707	(16122407)
479670.37	3775090.02	12.35041	(16122407)	479720.37	3775090.02	19.08774	(16111018)
479770.37	3775090.02	19.87056	(16111018)	479820.37	3775090.02	18.71879	(16112621)
479870.37	3775090.02	19.12026	(15062006)	479920.37	3775090.02	19.05872	(15062006)
479970.37	3775090.02	18.05673	(15031120)	477970.37	3775140.02	6.77369	(16021808)

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        478020.37   3775140.02        6.97651  (16021808)               478070.37
3775140.02        7.12784  (16021808)
        478120.37   3775140.02        7.21509  (16021808)               478170.37
3775140.02        7.56438  (14091624)
        478220.37   3775140.02        7.89649  (14091624)               478270.37
3775140.02        8.16711  (14091624)
        478320.37   3775140.02        8.29446  (14091624)               478370.37
3775140.02        8.64402  (16092018)
        478420.37   3775140.02        9.10083  (16092018)               478470.37
3775140.02        9.37100  (16092018)
        478520.37   3775140.02        9.50666  (14040103)               478570.37
3775140.02        9.74892  (14040103)
        478620.37   3775140.02       10.11056  (13021808)               478670.37
3775140.02       10.49786  (13021808)
        478720.37   3775140.02       10.72391  (16121606)               478770.37
3775140.02       10.97047  (16021806)
        478820.37   3775140.02       11.32253  (16021806)               478870.37
3775140.02       11.27231  (16021806)
        478920.37   3775140.02       11.71351  (15122518)               478970.37
3775140.02       12.15243  (15122518)
        479020.37   3775140.02       12.14899  (15100406)               479070.37
3775140.02       13.30216  (13090718)
        479120.37   3775140.02       14.01233  (13090718)               479170.37
3775140.02       14.05900  (13090718)
        479220.37   3775140.02       13.41964  (13090718)               479270.37
3775140.02       13.21693  (14121123)
        479320.37   3775140.02       13.09778  (14022508)               479370.37
3775140.02       13.17764  (14022508)
        479420.37   3775140.02       12.70989  (16111019)               479470.37
3775140.02       13.01340  (16111019)
        479520.37   3775140.02       12.70922  (16111019)               479570.37
3775140.02       11.86337  (16111019)
        479620.37   3775140.02       10.95589  (12022721)               479670.37
3775140.02       11.42970  (16122407)
        479720.37   3775140.02       17.57664  (16111018)               479770.37
3775140.02       18.78802  (16111018)
        479820.37   3775140.02       18.05164  (16111018)               479870.37
3775140.02       17.83057  (15062006)
        479920.37   3775140.02       18.30491  (15062006)               479970.37
3775140.02       17.57775  (15062006)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                  PAGE 164
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
```

INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
477970.37	3775190.02	6.57398	(16021808)	478020.37	3775190.02	6.68439	(16021808)
478070.37	3775190.02	6.74383	(14091624)	478120.37	3775190.02	7.11720	(14091624)
478170.37	3775190.02	7.41096	(14091624)	478220.37	3775190.02	7.62239	(14091624)
478270.37	3775190.02	7.76245	(14091624)	478320.37	3775190.02	8.05242	(16092018)
478370.37	3775190.02	8.44478	(16092018)	478420.37	3775190.02	8.74300	(16092018)
478470.37	3775190.02	8.85074	(16092018)	478520.37	3775190.02	9.07124	(14040103)
478570.37	3775190.02	9.27925	(13021808)	478620.37	3775190.02	9.71862	(13021808)
478670.37	3775190.02	9.90712	(13021808)	478720.37	3775190.02	10.18204	(16121606)
478770.37	3775190.02	10.45951	(16021806)	478820.37	3775190.02	10.61389	(16021806)
478870.37	3775190.02	10.51577	(14040102)	478920.37	3775190.02	11.15410	(15122518)
478970.37	3775190.02	11.40870	(15122518)	479020.37	3775190.02	11.59634	(13090718)
479070.37	3775190.02	12.62664	(13090718)	479120.37	3775190.02	13.16520	(13090718)
479170.37	3775190.02	13.11282	(13090718)	479220.37	3775190.02	12.46421	(13090718)
479270.37	3775190.02	12.35886	(14121123)	479320.37	3775190.02	12.24333	(14022508)
479370.37	3775190.02	12.34361	(14022508)	479420.37	3775190.02	11.86666	(14022508)
479470.37	3775190.02	12.17525	(16111019)	479520.37	3775190.02	11.99231	(16111019)
479570.37	3775190.02	11.32738	(16111019)	479620.37	3775190.02	10.34563	(12022721)
479670.37	3775190.02	10.55758	(16122407)	479720.37			

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3775190.02       16.63371  (13100921)
        479770.37   3775190.02       17.59365  (16111018)                479820.37
3775190.02       17.36142  (16111018)
        479870.37   3775190.02       17.15213  (13070304)                479920.37
3775190.02       17.28355  (15062006)
        479970.37   3775190.02       17.38611  (15062006)                477970.37
3775240.02        6.29122  (16021808)
        478020.37   3775240.02        6.37198  (14091624)                478070.37
3775240.02        6.69793  (14091624)
        478120.37   3775240.02        6.97419  (14091624)                478170.37
3775240.02        7.16174  (14091624)
        478220.37   3775240.02        7.26081  (14091624)                478270.37
3775240.02        7.52467  (16092018)
        478320.37   3775240.02        7.89196  (16092018)                478370.37
3775240.02        8.14900  (16092018)
        478420.37   3775240.02        8.30305  (16092018)                478470.37
3775240.02        8.46690  (14040103)
        478520.37   3775240.02        8.56870  (14040103)                478570.37
3775240.02        8.99258  (13021808)
        478620.37   3775240.02        9.24300  (13021808)                478670.37
3775240.02        9.46393  (16121606)
        478720.37   3775240.02        9.65432  (16021806)                478770.37
3775240.02        9.91520  (16021806)
        478820.37   3775240.02        9.90776  (16021806)                478870.37
3775240.02       10.10641  (15122518)
        478920.37   3775240.02       10.59464  (15122518)                478970.37
3775240.02       10.69938  (15122518)
        479020.37   3775240.02       11.13829  (13090718)                479070.37
3775240.02       11.98958  (13090718)
        479120.37   3775240.02       12.38799  (13090718)                479170.37
3775240.02       12.25963  (13090718)
        479220.37   3775240.02       11.61115  (13090718)                479270.37
3775240.02       11.59121  (14121123)
        479320.37   3775240.02       11.47933  (14022508)                479370.37
3775240.02       11.59439  (14022508)
        479420.37   3775240.02       11.19926  (14022508)                479470.37
3775240.02       11.39799  (16111019)
        479520.37   3775240.02       11.32514  (16111019)                479570.37
3775240.02       10.80470  (16111019)
        479620.37   3775240.02        9.90848  (16111019)                479670.37
3775240.02       14.53949  (12022721)
        479720.37   3775240.02       15.71511  (13100921)                479770.37
3775240.02       16.34450  (16111018)
        479820.37   3775240.02       16.52465  (16111018)                479870.37
3775240.02       16.63811  (16111018)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 ,
L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479920.37	3775240.02	16.08307	(15062006)	479970.37	3775240.02	16.65596	(15062006)
477970.37	3775290.02	6.01965	(14091624)	478020.37	3775290.02	6.32514	(14091624)
478070.37	3775290.02	6.56509	(14091624)	478120.37	3775290.02	6.74668	(14091624)
478170.37	3775290.02	6.83516	(14091624)	478220.37	3775290.02	7.02539	(16092018)
478270.37	3775290.02	7.39572	(16092018)	478320.37	3775290.02	7.64489	(16092018)
478370.37	3775290.02	7.77778	(16092018)	478420.37	3775290.02	7.92802	(14040103)
478470.37	3775290.02	8.05051	(14040103)	478520.37	3775290.02	8.32811	(13021808)
478570.37	3775290.02	8.63626	(13021808)	478620.37	3775290.02	8.75905	(16121606)
478670.37	3775290.02	9.01107	(16121606)	478720.37	3775290.02	9.24371	(16021806)
478770.37	3775290.02	9.35453	(16021806)	478820.37	3775290.02	9.27135	(14040102)
478870.37	3775290.02	9.70641	(15122518)	478920.37	3775290.02	10.04370	(15122518)
478970.37	3775290.02	10.02771	(15122518)	479020.37	3775290.02	10.69081	(13090718)
479070.37	3775290.02	11.39036	(13090718)	479120.37	3775290.02	11.67415	(13090718)
479170.37	3775290.02	11.48779	(13090718)	479220.37	3775290.02	10.92358	(14121123)
479270.37	3775290.02	10.90108	(14121123)	479320.37	3775290.02	10.79280	(14022508)

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        479370.37   3775290.02       10.91837  (14022508)                479420.37
3775290.02       10.59084  (14022508)
        479470.37   3775290.02       10.69568  (16111019)                479520.37
3775290.02       10.70484  (16111019)
        479570.37   3775290.02       10.29867  (16111019)                479620.37
3775290.02        9.55941  (16111019)
        479670.37   3775290.02       14.50311  (12022721)                479720.37
3775290.02       15.07966  (13100921)
        479770.37   3775290.02       15.48524  (13100921)                479820.37
3775290.02       15.59114  (16111018)
        479870.37   3775290.02       16.08673  (16111018)                479920.37
3775290.02       15.21796  (13070304)
        479970.37   3775290.02       15.90534  (15062006)                477970.37
3775340.02        5.97294  (14091624)
        478020.37   3775340.02        6.20120  (14091624)                478070.37
3775340.02        6.34977  (14091624)
        478120.37   3775340.02        6.45040  (14091624)                478170.37
3775340.02        6.60221  (16092018)
        478220.37   3775340.02        6.92332  (16092018)                478270.37
3775340.02        7.18583  (16092018)
        478320.37   3775340.02        7.32852  (16092018)                478370.37
3775340.02        7.41183  (14040103)
        478420.37   3775340.02        7.58213  (14040103)                478470.37
3775340.02        7.72746  (13021808)
        478520.37   3775340.02        8.05729  (13021808)                478570.37
3775340.02        8.22912  (13021808)
        478620.37   3775340.02        8.41216  (16121606)                478670.37
3775340.02        8.58547  (16021806)
        478720.37   3775340.02        8.80495  (16021806)                478770.37
3775340.02        8.79083  (16021806)
        478820.37   3775340.02        8.83424  (15122518)                478870.37
3775340.02        9.29711  (15122518)
        478920.37   3775340.02        9.50741  (15122518)                478970.37
3775340.02        9.48319  (15100406)
        479020.37   3775340.02       10.25689  (13090718)                479070.37
3775340.02       10.82772  (13090718)
        479120.37   3775340.02       11.01765  (13090718)                479170.37
3775340.02       10.78735  (13090718)
        479220.37   3775340.02       10.31778  (14121123)                479270.37
3775340.02       10.27786  (14121123)
        479320.37   3775340.02       10.17311  (14022508)                479370.37
3775340.02       10.30593  (14022508)
        479420.37   3775340.02       10.03458  (14022508)                479470.37
3775340.02       10.05625  (16111019)
        479520.37   3775340.02       10.12831  (16111019)                479570.37
3775340.02        9.82551  (16111019)
        479620.37   3775340.02        9.21261  (16111019)                479670.37
3775340.02       13.85212  (12022721)
        479720.37   3775340.02       14.50933  (16092620)                479770.37
3775340.02       14.76863  (13100921)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                 L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        479820.37   3775340.02   14.60245 (16111018)   479870.37
3775340.02   15.40009 (16111018)
        479920.37   3775340.02   14.82069 (16111018)   479970.37
3775340.02   15.04105 (13070304)
        477970.37   3775390.02   5.85765 (14091624)   478020.37
3775390.02   6.01064 (14091624)
        478070.37   3775390.02   6.08128 (14091624)   478120.37
3775390.02   6.21939 (16092018)
        478170.37   3775390.02   6.52111 (16092018)   478220.37
3775390.02   6.75123 (16092018)
        478270.37   3775390.02   6.89415 (16092018)   478320.37
3775390.02   6.96655 (14040103)
        478370.37   3775390.02   7.12633 (14040103)   478420.37
3775390.02   7.19107 (14040103)
        478470.37   3775390.02   7.52547 (13021808)   478520.37
3775390.02   7.72859 (13021808)
        478570.37   3775390.02   7.86347 (16121606)   478620.37
3775390.02   8.03043 (16121606)
        478670.37   3775390.02   8.24851 (16021806)   478720.37
3775390.02   8.35052 (16021806)
        478770.37   3775390.02   8.24644 (14040102)   478820.37
3775390.02   8.54322 (15122518)
        478870.37   3775390.02   8.88570 (15122518)   478920.37
3775390.02   8.98992 (15122518)
        478970.37   3775390.02   9.06689 (13090718)   479020.37

3775390.02 9.83845 (13090718)
479070.37 3775390.02 10.30001 (13090718) 479120.37
3775390.02 10.41302 (13090718)
479170.37 3775390.02 10.14980 (13090718) 479220.37
3775390.02 9.76621 (14121123)
479270.37 3775390.02 9.71275 (14121123) 479320.37
3775390.02 9.61140 (14022508)
479370.37 3775390.02 9.74899 (14022508) 479420.37
3775390.02 9.52455 (14022508)
479470.37 3775390.02 9.47083 (16111019) 479520.37
3775390.02 9.59244 (16111019)
479570.37 3775390.02 9.38104 (16111019) 479620.37
3775390.02 9.53792 (16111019)
479670.37 3775390.02 13.81730 (12022721) 479720.37
3775390.02 13.95865 (16092620)
479770.37 3775390.02 14.00971 (13100921) 479820.37
3775390.02 14.13270 (13100921)
479870.37 3775390.02 14.61822 (16111018) 479920.37
3775390.02 14.86202 (16111018)
479970.37 3775390.02 14.41996 (13070304) 477970.37
3775440.02 5.68247 (14091624)
478020.37 3775440.02 5.75902 (14091624) 478070.37
3775440.02 5.85126 (16092018)
478120.37 3775440.02 6.13408 (16092018) 478170.37
3775440.02 6.37673 (16092018)
478220.37 3775440.02 6.52095 (16092018) 478270.37
3775440.02 6.57594 (16092018)
478320.37 3775440.02 6.72654 (14040103) 478370.37
3775440.02 6.79647 (14040103)
478420.37 3775440.02 7.01964 (13021808) 478470.37
3775440.02 7.27240 (13021808)
478520.37 3775440.02 7.36722 (13021808) 478570.37
3775440.02 7.56352 (16121606)
478620.37 3775440.02 7.68790 (16021806) 478670.37
3775440.02 7.87882 (16021806)
478720.37 3775440.02 7.89045 (16021806) 478770.37
3775440.02 7.83842 (14040102)
478820.37 3775440.02 8.23905 (15122518) 478870.37
3775440.02 8.49283 (15122518)
478920.37 3775440.02 8.49396 (15122518) 478970.37
3775440.02 8.77680 (13090718)
479020.37 3775440.02 9.43663 (13090718) 479070.37
3775440.02 9.80533 (13090718)
479120.37 3775440.02 9.85531 (13090718) 479170.37
3775440.02 9.56786 (13090718)
479220.37 3775440.02 9.26234 (14121123) 479270.37
3775440.02 9.19837 (14121123)
479320.37 3775440.02 9.10029 (14022508) 479370.37
3775440.02 9.24076 (14022508)
479420.37 3775440.02 9.05568 (14022508) 479470.37

3775440.02   8.93375 (16111019)
        479520.37   3775440.02   9.09420 (16111019)   479570.37
3775440.02   8.95517 (16111019)
        479620.37   3775440.02   9.52000 (16111019)   479670.37
3775440.02   13.31387 (15101020)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                   INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                 L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        479720.37   3775440.02   13.64267 (16092620)   479770.37
3775440.02   13.28057 (16092620)
        479820.37   3775440.02   13.78930 (13100921)   479870.37
3775440.02   13.87238 (16111018)
        479920.37   3775440.02   14.40760 (16111018)   479970.37
3775440.02   13.85165 (16111018)
        477970.37   3775490.02   5.45828 (14091624)   478020.37
3775490.02   5.51640 (16092018)
        478070.37   3775490.02   5.80089 (16092018)   478120.37
3775490.02   6.01352 (16092018)
        478170.37   3775490.02   6.17212 (16092018)   478220.37
3775490.02   6.24443 (16092018)
        478270.37   3775490.02   6.34216 (14040103)   478320.37
3775490.02   6.44317 (14040103)
        478370.37   3775490.02   6.57052 (13021808)   478420.37
3775490.02   6.82499 (13021808)
        478470.37   3775490.02   6.98001 (13021808)   478520.37
3775490.02   7.09239 (16121606)
        478570.37   3775490.02   7.23616 (16121606)   478620.37
3775490.02   7.41045 (16021806)

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        478670.37   3775490.02        7.50562  (16021806)              478720.37
3775490.02        7.43268  (16021806)
        478770.37   3775490.02        7.56425  (15122518)              478820.37
3775490.02        7.92751  (15122518)
        478870.37   3775490.02        8.09096  (15122518)              478920.37
3775490.02        8.02111  (15122518)
        478970.37   3775490.02        8.48975  (13090718)              479020.37
3775490.02        9.05199  (13090718)
        479070.37   3775490.02        9.34171  (13090718)              479120.37
3775490.02        9.34005  (13090718)
        479170.37   3775490.02        9.03524  (13090718)              479220.37
3775490.02        8.80057  (14121123)
        479270.37   3775490.02        8.72853  (14121123)              479320.37
3775490.02        8.63358  (14022508)
        479370.37   3775490.02        8.77545  (14022508)              479420.37
3775490.02        8.62355  (14022508)
        479470.37   3775490.02        8.44001  (16111019)              479520.37
3775490.02        8.63065  (16111019)
        479570.37   3775490.02        8.55071  (16111019)              479620.37
3775490.02        9.17312  (16111019)
        479670.37   3775490.02       12.86329  (15101020)              479720.37
3775490.02       13.32697  (16092620)
        479770.37   3775490.02       12.90359  (16092620)              479820.37
3775490.02       13.29781  (13100921)
        479870.37   3775490.02       13.30155  (15090206)              479920.37
3775490.02       13.74754  (16111018)
        479970.37   3775490.02       13.53877  (16111018)              477970.37
3775540.02        5.23040  (16092018)
        478020.37   3775540.02        5.48017  (16092018)              478070.37
3775540.02        5.68871  (16092018)
        478120.37   3775540.02        5.84449  (16092018)              478170.37
3775540.02        5.92030  (16092018)
        478220.37   3775540.02        6.00516  (14040103)              478270.37
3775540.02        6.10631  (14040103)
        478320.37   3775540.02        6.14024  (13021808)              478370.37
3775540.02        6.42311  (13021808)
        478420.37   3775540.02        6.59056  (13021808)              478470.37
3775540.02        6.65730  (16121606)
        478520.37   3775540.02        6.83213  (16121606)              478570.37
3775540.02        6.95530  (16021806)
        478620.37   3775540.02        7.11256  (16021806)              478670.37
3775540.02        7.12056  (16021806)
        478720.37   3775540.02        7.07764  (14040102)              478770.37
3775540.02        7.33738  (15122518)
        478820.37   3775540.02        7.61323  (15122518)              478870.37
3775540.02        7.68997  (15122518)
        478920.37   3775540.02        7.69265  (15100406)              478970.37
3775540.02        8.20767  (13090718)
        479020.37   3775540.02        8.68465  (13090718)              479070.37
3775540.02        8.90716  (13090718)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479120.37	3775540.02	8.86326	(13090718)	479170.37	3775540.02	8.54650	(13090718)
479220.37	3775540.02	8.37615	(14121123)	479270.37	3775540.02	8.29797	(14121123)
479320.37	3775540.02	8.20601	(14022508)	479370.37	3775540.02	8.34816	(14022508)
479420.37	3775540.02	8.22431	(14022508)	479470.37	3775540.02	7.99744	(13050520)
479520.37	3775540.02	8.19908	(16111019)	479570.37	3775540.02	8.16824	(16111019)
479620.37	3775540.02	8.83484	(16111019)	479670.37	3775540.02	12.40370	(15101020)
479720.37	3775540.02	12.70206	(16092620)	479770.37	3775540.02	13.06232	(16092620)
479820.37	3775540.02	12.66771	(15013121)	479870.37	3775540.02	13.29269	(15100822)
479920.37	3775540.02	13.09921	(15090206)	479970.37	3775540.02	13.46390	(16111018)
478861.36	3774619.36	24.23155	(16092018)	478791.49	3774517.73	25.23691	(16021808)
478789.65	3774444.30	26.76531	(13050502)	478748.80	3774449.81	24.80180	(15091504)
479103.48	3774681.38	27.44253	(15122518)	479094.51	3774696.20	26.34871	(15122518)
479077.34	3774696.98	25.59813	(15122518)	479101.53			

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3774731.70       24.70236  (15122518)
        479782.92   3774151.51       39.34336  (13101617)                479890.06
3774169.23       29.95724  (13101617)
        479890.06   3774137.17       29.97809  (13062919)                479913.68
3774138.01       28.41284  (13062919)
        479911.15   3774168.38       28.52963  (13101617)                479885.84
3774064.62       29.96230  (15020417)
        480398.50   3774179.13       22.51611  (13081621)                480448.50
3774179.13       21.78431  (13081621)
        480498.50   3774179.13       20.84150  (13081621)                479998.50
3774229.13       34.58316  (12092320)
        480048.50   3774229.13       32.15351  (12092320)                480098.50
3774229.13       30.73673  (15101421)
        480148.50   3774229.13       28.50964  (15101421)                480198.50
3774229.13       26.77373  (15101421)
        480248.50   3774229.13       25.80047  (12082821)                480298.50
3774229.13       24.83335  (12082821)
        480348.50   3774229.13       23.67707  (12082821)                480398.50
3774229.13       23.04242  (12082821)
        480448.50   3774229.13       21.69469  (12082821)                480498.50
3774229.13       21.18032  (12071224)
        479998.50   3774279.13       34.23891  (16062906)                480048.50
3774279.13       32.01384  (16062906)
        480098.50   3774279.13       30.65052  (16062906)                480148.50
3774279.13       28.26546  (13083021)
        480198.50   3774279.13       26.89962  (13083021)                480248.50
3774279.13       25.26775  (16072724)
        480298.50   3774279.13       24.35979  (16072724)                480348.50
3774279.13       23.47689  (16072724)
        480398.50   3774279.13       22.74354  (14082821)                480448.50
3774279.13       21.52932  (14082821)
        480498.50   3774279.13       20.76939  (14082821)                479998.50
3774329.13       33.72650  (14061006)
        480048.50   3774329.13       31.39979  (14061006)                480098.50
3774329.13       29.71149  (15062706)
        480148.50   3774329.13       27.77853  (15062706)                480198.50
3774329.13       26.99409  (16062906)
        480248.50   3774329.13       25.29906  (16062906)                480298.50
3774329.13       24.16247  (16062906)
        480348.50   3774329.13       22.88547  (14070423)                480398.50
3774329.13       22.08285  (12092122)
        480448.50   3774329.13       21.26141  (12092122)                480498.50
3774329.13       20.33538  (16091822)
        479998.50   3774379.13       32.58154  (16062023)                480048.50
3774379.13       30.42885  (16111417)
        480098.50   3774379.13       29.20789  (15090822)                480148.50
3774379.13       27.21014  (15090822)
        480198.50   3774379.13       26.44649  (15090822)                480248.50
3774379.13       24.51226  (13070105)
        480298.50   3774379.13       23.54618  (16081622)                480348.50
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3774379.13   22.62202 (15092522)
        480398.50   3774379.13   21.36460 (15092522)   480448.50
3774379.13   21.00372 (15092522)
        480498.50   3774379.13   20.06073 (12071820)   479998.50
3774429.13   31.64781 (13081722)
        480048.50   3774429.13   30.09879 (15062801)   480098.50
3774429.13   28.21984 (16062023)
        480148.50   3774429.13   26.77258 (14110719)   480198.50
3774429.13   25.64641 (16072822)
        480248.50   3774429.13   24.33443 (15090822)   480298.50
3774429.13   23.53645 (15090822)
        480348.50   3774429.13   22.38611 (15090822)   480398.50
3774429.13   21.46137 (13070105)
        480448.50   3774429.13   20.61492 (16081622)   480498.50
3774429.13   19.83002 (16081622)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
INCLUDING SOURCE(S):   L0002507   , L0002508   , L0002509   , L0002510   , L0002511   ,
L0002512   , L0002513   , L0002514   , L0002515   , L0002516   , L0002517   , L0002518   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
        479998.50   3774479.13   30.72892 (13062306)   480048.50
3774479.13   29.33902 (12080223)
        480098.50   3774479.13   27.47344 (13081722)   480148.50
3774479.13   26.42995 (12091522)
        480198.50   3774479.13   25.02773 (16072622)   480248.50
3774479.13   23.48885 (16072622)
        480298.50   3774479.13   23.16596 (16072822)   480348.50
3774479.13   21.85431 (16072822)
        480398.50   3774479.13   21.51562 (15090822)   480448.50
3774479.13   20.49098 (15090822)

480498.50 3774479.13 19.74651 (15090822) 479998.50 3774529.13 30.20420 (15082722)
480048.50 3774529.13 28.53239 (14083022) 480098.50 3774529.13 26.65991 (13062306)
480148.50 3774529.13 25.82236 (12080223) 480198.50 3774529.13 24.36513 (12091522)
480248.50 3774529.13 23.19990 (12091522) 480298.50 3774529.13 22.58952 (12091522)
480348.50 3774529.13 21.48287 (16072622) 480398.50 3774529.13 21.00514 (16072622)
480448.50 3774529.13 20.05504 (16072822) 480498.50 3774529.13 19.72352 (16072822)
479998.50 3774579.13 28.87208 (16061920) 480048.50 3774579.13 27.34138 (15082722)
480098.50 3774579.13 26.92149 (16072221) 480148.50 3774579.13 25.16795 (12092123)
480198.50 3774579.13 23.76163 (15101218) 480248.50 3774579.13 23.13664 (15101218)
480298.50 3774579.13 21.96002 (12091522) 480348.50 3774579.13 21.66977 (12091522)
480398.50 3774579.13 20.61757 (12091522) 480448.50 3774579.13 20.04610 (12081122)
480498.50 3774579.13 19.49988 (12081122) 479998.50 3774629.13 28.05565 (15072106)
480048.50 3774629.13 26.42267 (15072106) 480098.50 3774629.13 25.67226 (12071222)
480148.50 3774629.13 24.48286 (16072221) 480198.50 3774629.13 23.74855 (16072221)
480248.50 3774629.13 22.74480 (15101218) 480298.50 3774629.13 22.32443 (15101218)
480348.50 3774629.13 21.10678 (14090823) 480398.50 3774629.13 20.05362 (13090822)
480448.50 3774629.13 19.93626 (13090822) 480498.50 3774629.13 19.41818 (15100820)
479998.50 3774679.13 26.60893 (16112008) 480048.50 3774679.13 25.49829 (14092320)
480098.50 3774679.13 24.85346 (15072106) 480148.50 3774679.13 23.33744 (12071222)
480198.50 3774679.13 23.30210 (12071222) 480248.50 3774679.13 22.36956 (16072221)
480298.50 3774679.13 21.88028 (12091420) 480348.50 3774679.13 20.82231 (13090224)
480398.50 3774679.13 20.50706 (15101218) 480448.50 3774679.13 19.57510 (14090823)
480498.50 3774679.13 19.36267 (13090822) 479998.50 3774729.13 26.14475 (12071219)
480048.50 3774729.13 24.84558 (16112008) 480098.50 3774729.13 23.84661 (14092320)
480148.50 3774729.13 23.12369 (15072106) 480198.50 3774729.13 22.15825 (14100822)

480248.50 3774729.13 22.36430 (12071222) 480298.50
3774729.13 21.27772 (16072221)
480348.50 3774729.13 20.60359 (16072221) 480398.50
3774729.13 20.07214 (13090224)
480448.50 3774729.13 19.60804 (13090224) 480498.50
3774729.13 18.99241 (14090823)
479998.50 3774779.13 24.47906 (12071219) 480048.50
3774779.13 24.41609 (12071219)
480098.50 3774779.13 22.75904 (12071219) 480148.50
3774779.13 22.24359 (14092320)
480198.50 3774779.13 21.54347 (15072106) 480248.50
3774779.13 21.22743 (14042023)
480298.50 3774779.13 20.56947 (12071222) 480348.50
3774779.13 20.54881 (12071222)
480398.50 3774779.13 19.61226 (16072221) 480448.50
3774779.13 19.23791 (12091420)
480498.50 3774779.13 18.59456 (13090224) 479998.50
3774829.13 22.96947 (15090821)
480048.50 3774829.13 22.95501 (15090821) 480098.50
3774829.13 22.27830 (12071219)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 ,
L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480148.50	3774829.13	21.45835	(16072303)	480198.50	3774829.13	20.85508	(14040821)
480248.50	3774829.13	20.57798	(14040821)	480298.50	3774829.13	19.52870	(14042023)
480348.50	3774829.13	19.61137	(12071222)	480398.50			

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3774829.13       19.10669  (12071222)
        480448.50   3774829.13       18.88950  (12071222)                480498.50
3774829.13       18.31416  (16072221)
        479998.50   3774879.13       22.63997  (13063021)                480048.50
3774879.13       21.96745  (15090821)
        480098.50   3774879.13       21.00309  (15090821)                480148.50
3774879.13       20.75315  (12071219)
        480198.50   3774879.13       20.18486  (16072303)                480248.50
3774879.13       19.73380  (14040821)
        480298.50   3774879.13       19.09922  (14040821)                480348.50
3774879.13       18.94744  (12071323)
        480398.50   3774879.13       18.69814  (12071323)                480448.50
3774879.13       18.37037  (12071222)
        480498.50   3774879.13       17.93876  (12071222)                479998.50
3774929.13       21.44153  (14071423)
        480048.50   3774929.13       21.06201  (12081701)                480098.50
3774929.13       20.15067  (15090821)
        480148.50   3774929.13       20.15950  (15090821)                480198.50
3774929.13       19.37020  (16062824)
        480248.50   3774929.13       19.37443  (16072303)                480298.50
3774929.13       18.33346  (16072303)
        480348.50   3774929.13       18.49210  (14040821)                480398.50
3774929.13       18.35196  (12071323)
        480448.50   3774929.13       17.75725  (12071323)                480498.50
3774929.13       17.71504  (14081423)
        479998.50   3774979.13       20.22580  (15032521)                480048.50
3774979.13       20.03743  (14071423)
        480098.50   3774979.13       19.34708  (12081701)                480148.50
3774979.13       19.39140  (15090821)
        480198.50   3774979.13       18.63786  (15090821)                480248.50
3774979.13       18.74223  (15081622)
        480298.50   3774979.13       18.02439  (16072303)                480348.50
3774979.13       17.88689  (13082824)
        480398.50   3774979.13       17.83270  (14040821)                480448.50
3774979.13       17.14836  (14040821)
        480498.50   3774979.13       17.35927  (12071323)                479998.50
3775029.13       19.22196  (16090403)
        480048.50   3775029.13       18.99444  (15032521)                480098.50
3775029.13       18.48922  (14071423)
        480148.50   3775029.13       18.74880  (12081701)                480198.50
3775029.13       17.96367  (15090821)
        480248.50   3775029.13       17.92513  (15090821)                480298.50
3775029.13       17.44515  (15081622)
        480348.50   3775029.13       17.59949  (15081622)                480398.50
3775029.13       17.45561  (13082824)
        480448.50   3775029.13       16.66930  (14040821)                480498.50
3775029.13       16.68541  (14040821)
        479998.50   3775079.13       18.45868  (16072103)                480048.50
3775079.13       18.15018  (16102719)
        480098.50   3775079.13       17.59813  (16072601)                480148.50
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3775079.13   17.96203 (12081701)
        480198.50   3775079.13   17.37549 (12081701)   480248.50
3775079.13   16.70691 (15090821)
        480298.50   3775079.13   16.73818 (15090821)   480348.50
3775079.13   17.00289 (15081622)
        480398.50   3775079.13   17.12912 (15081622)   480448.50
3775079.13   16.81557 (13082824)
        480498.50   3775079.13   16.55550 (13082824)   479998.50
3775129.13   17.63401 (15031120)
        480048.50   3775129.13   17.45378 (16072103)   480098.50
3775129.13   16.83465 (16102719)
        480148.50   3775129.13   17.19809 (16072601)   480198.50
3775129.13   16.76018 (12081701)
        480248.50   3775129.13   16.23453 (12081701)   480298.50
3775129.13   16.19214 (15090821)
        480348.50   3775129.13   16.58977 (16091921)   480398.50
3775129.13   16.54778 (15081622)
        480448.50   3775129.13   16.52050 (15081622)   480498.50
3775129.13   16.24850 (13082824)
        479998.50   3775179.13   17.06241 (15062006)   480048.50
3775179.13   16.64192 (15031120)
        480098.50   3775179.13   16.78425 (16072103)   480148.50
3775179.13   16.51365 (16102719)
        480198.50   3775179.13   16.24787 (16072601)   480248.50
3775179.13   16.32537 (12081701)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0002507   , L0002508
, L0002509   , L0002510   , L0002511   ,
                  L0002512   , L0002513   , L0002514   , L0002515   , L0002516
, L0002517   , L0002518   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -

480298.50 3775179.13 16.19851 (12081701) 480348.50 3775179.13 16.44781 (16091921)
480398.50 3775179.13 16.03841 (16091921) 480448.50 3775179.13 16.34746 (15081622)
480498.50 3775179.13 16.27588 (15081622) 479998.50 3775229.13 16.69508 (15062006)
480048.50 3775229.13 15.77679 (15031120) 480098.50 3775229.13 16.29245 (16072103)
480148.50 3775229.13 15.79707 (16102719) 480198.50 3775229.13 15.50132 (16102719)
480248.50 3775229.13 15.63987 (16072601) 480298.50 3775229.13 15.89511 (12081701)
480348.50 3775229.13 15.87711 (13082422) 480398.50 3775229.13 16.14974 (16091921)
480448.50 3775229.13 16.04383 (16091921) 480498.50 3775229.13 15.69220 (15081622)
479998.50 3775279.13 16.06030 (15062006) 480048.50 3775279.13 15.39655 (15062006)
480098.50 3775279.13 15.37504 (15031120) 480148.50 3775279.13 15.29650 (16072103)
480198.50 3775279.13 15.04840 (16102719) 480248.50 3775279.13 15.03240 (16102719)
480298.50 3775279.13 15.08429 (16072601) 480348.50 3775279.13 15.65445 (13020223)
480398.50 3775279.13 15.53307 (13082422) 480448.50 3775279.13 15.79218 (16091921)
480498.50 3775279.13 15.51679 (16091921) 479998.50 3775329.13 15.22284 (15062006)
480048.50 3775329.13 14.99532 (15062006) 480098.50 3775329.13 14.88117 (15080323)
480148.50 3775329.13 14.55742 (16072103) 480198.50 3775329.13 14.86359 (16072103)
480248.50 3775329.13 14.61682 (16102719) 480298.50 3775329.13 15.00842 (16072601)
480348.50 3775329.13 15.12043 (15102518) 480398.50 3775329.13 15.56073 (15092423)
480448.50 3775329.13 15.17967 (13082422) 480498.50 3775329.13 15.39731 (16091921)
479998.50 3775379.13 14.36422 (15060920) 480048.50 3775379.13 14.54009 (15062006)
480098.50 3775379.13 14.48155 (15080323) 480148.50 3775379.13 13.83233 (15080323)
480198.50 3775379.13 14.44770 (16072103) 480248.50 3775379.13 14.56322 (16072103)
480298.50 3775379.13 15.02286 (16102719) 480348.50 3775379.13 15.10033 (15082521)
480398.50 3775379.13 15.27358 (15102518) 480448.50 3775379.13 15.25380 (15092423)
480498.50 3775379.13 15.07149 (13082422) 479998.50 3775429.13 13.84965 (13070304)

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        480048.50   3775429.13       14.27620  (15060920)                480098.50
3775429.13       14.00756  (15062006)
        480148.50   3775429.13       13.98693  (15080323)                480198.50
3775429.13       13.78611  (13052505)
        480248.50   3775429.13       14.60380  (16072103)                480298.50
3775429.13       14.64466  (15082701)
        480348.50   3775429.13       15.18822  (15082701)                480398.50
3775429.13       15.29295  (14110620)
        480448.50   3775429.13       15.00293  (15102518)                480498.50
3775429.13       15.01452  (15092423)
        479998.50   3775479.13       13.57641  (13070304)                480048.50
3775479.13       13.61001  (13070304)
        480098.50   3775479.13       13.46268  (15060920)                480148.50
3775479.13       13.72565  (15080323)
        480198.50   3775479.13       13.97070  (14092506)                480248.50
3775479.13       14.62803  (13090824)
        480298.50   3775479.13       14.90946  (14073003)                480348.50
3775479.13       15.11571  (15082701)
        480398.50   3775479.13       15.27366  (15082521)                480448.50
3775479.13       14.94694  (14110620)
        480498.50   3775479.13       15.07543  (15102518)                480254.72
3774120.37       25.80022  (13062721)
        480287.52   3774147.62       24.90942  (14072421)                480349.09
3774140.55       23.66194  (16072023)
        480381.90   3774044.67       23.03168  (12080921)                480443.97
3774003.79       21.91122  (15082922)
        480407.64   3774005.81       22.62418  (15082922)                480390.48
3774008.33       22.86717  (15082922)
        480543.03   3774446.66       19.35035  (16081622)                480593.03
3774446.66       19.06315  (15092522)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 172
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                    INCLUDING SOURCE(S):     L0002507    , L0002508
, L0002509    , L0002510    , L0002511    ,
                  L0002512    , L0002513    , L0002514    , L0002515    , L0002516
, L0002517    , L0002518    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480643.03	3774446.66	18.26897	(15092522)	480693.03	3774446.66	17.88137	(15092522)
480743.03	3774446.66	17.23163	(14082722)	480793.03	3774446.66	17.21079	(14082722)
480843.03	3774446.66	16.58020	(14082722)	480893.03	3774446.66	16.16956	(14082722)
480943.03	3774446.66	15.79111	(14082722)	480993.03	3774446.66	15.14122	(14082722)
481043.03	3774446.66	14.85620	(13090823)	481093.03	3774446.66	14.47257	(13090823)
481143.03	3774446.66	14.28412	(12071324)	481193.03	3774446.66	14.11100	(12071324)
481243.03	3774446.66	13.90851	(12071324)	481293.03	3774446.66	13.77111	(12071324)
481343.03	3774446.66	13.63205	(12071324)	481393.03	3774446.66	13.24736	(13082322)
481443.03	3774446.66	13.09903	(13082322)	480543.03	3774496.66	19.04464	(15090822)
480593.03	3774496.66	18.70059	(14060124)	480643.03	3774496.66	17.83669	(15062223)
480693.03	3774496.66	17.90202	(15082519)	480743.03	3774496.66	17.52204	(15082519)
480793.03	3774496.66	17.15961	(15082519)	480843.03	3774496.66	16.37025	(15082519)
480893.03	3774496.66	15.85822	(13071123)	480943.03	3774496.66	15.51023	(14082724)
480993.03	3774496.66	15.34541	(14082724)	481043.03	3774496.66	14.91394	(12091921)
481093.03	3774496.66	14.48352	(12091921)	481143.03	3774496.66	14.34573	(12091921)
481193.03	3774496.66	14.20385	(12091921)	481243.03	3774496.66	13.72490	(12091921)
481293.03	3774496.66	13.64291	(12090424)	481343.03	3774496.66	13.58769	(12090424)
481393.03	3774496.66	13.48515	(12090424)	481443.03	3774496.66	13.08156	(12071324)
481493.03	3774496.66	12.98464	(12071324)	480543.03	3774546.66	19.10995	(16072822)
480593.03	3774546.66	18.53249	(13070921)	480643.03	3774546.66	17.85166	(13070921)
480693.03	3774546.66	17.60241	(13070921)	480743.03	3774546.66	17.03750	(14060124)
480793.03	3774546.66	16.65374	(15082519)	480843.03	3774546.66	16.16709	(15082519)
480893.03	3774546.66	16.23969	(15082519)	480943.03			

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3774546.66       15.69286  (15082519)
        480993.03   3774546.66       15.52985  (15082519)                481043.03
3774546.66       14.91492  (15082519)
        481093.03   3774546.66       14.69945  (15082519)                481143.03
3774546.66       14.37306  (14082724)
        481193.03   3774546.66       14.10784  (14082724)                481243.03
3774546.66       13.99567  (14082724)
        481293.03   3774546.66       13.75565  (14082724)                481343.03
3774546.66       13.42177  (12091921)
        481393.03   3774546.66       13.29400  (12090424)                481443.03
3774546.66       13.13912  (12090424)
        481493.03   3774546.66       12.94865  (12090424)                481543.03
3774546.66       12.62099  (12090424)
        480543.03   3774596.66       19.20436  (12081122)                480593.03
3774596.66       18.24189  (12081122)
        480643.03   3774596.66       18.03687  (13071323)                480693.03
3774596.66       17.21026  (13071323)
        480743.03   3774596.66       17.13077  (13070921)                480793.03
3774596.66       16.52279  (13070921)
        480843.03   3774596.66       16.25358  (14091601)                480893.03
3774596.66       15.73468  (13111017)
        480943.03   3774596.66       15.32561  (13111017)                480993.03
3774596.66       15.21703  (15082519)
        481043.03   3774596.66       15.10735  (15082519)                481093.03
3774596.66       14.86303  (15082519)
        481143.03   3774596.66       14.74333  (15082519)                481193.03
3774596.66       14.38281  (15082519)
        481243.03   3774596.66       14.04205  (15082519)                481293.03
3774596.66       13.79273  (15080522)
        481343.03   3774596.66       13.51618  (15080522)                481393.03
3774596.66       13.25341  (14082724)
        481443.03   3774596.66       13.07690  (14082724)                481493.03
3774596.66       12.74462  (14082724)
        481543.03   3774596.66       12.58168  (13062101)                480543.03
3774646.66       18.82445  (15100820)
1 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                         ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                        ***        10:39:05

                                   PAGE 173
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                   INCLUDING SOURCE(S):     L0002507    , L0002508
, L0002509    , L0002510    , L0002511    ,
                L0002512    , L0002513    , L0002514    , L0002515    , L0002516
, L0002517    , L0002518    ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480593.03	3774646.66	18.38356	(12081122)	480643.03	3774646.66	18.01246	(12081122)
480693.03	3774646.66	17.16744	(12081122)	480743.03	3774646.66	17.02498	(12081705)
480793.03	3774646.66	16.34930	(16083004)	480843.03	3774646.66	16.14653	(16083004)
480893.03	3774646.66	15.77417	(14091601)	480943.03	3774646.66	15.58471	(14091601)
480993.03	3774646.66	15.01934	(14091601)	481043.03	3774646.66	14.88922	(14091601)
481093.03	3774646.66	14.64275	(14091601)	481143.03	3774646.66	14.28642	(15082519)
481193.03	3774646.66	14.34593	(15082519)	481243.03	3774646.66	14.03770	(15082519)
481293.03	3774646.66	13.94011	(15082519)	481343.03	3774646.66	13.65194	(15082519)
481393.03	3774646.66	13.38741	(15082519)	481443.03	3774646.66	13.15810	(12081424)
481493.03	3774646.66	12.91080	(12081424)	481543.03	3774646.66	12.66017	(12081424)
480543.03	3774696.66	18.48215	(13090822)	480593.03	3774696.66	18.21589	(13090822)
480643.03	3774696.66	17.53981	(15100820)	480693.03	3774696.66	17.36775	(15100820)
480743.03	3774696.66	16.84194	(12081122)	480793.03	3774696.66	16.21935	(12081122)
480843.03	3774696.66	16.16049	(12081705)	480893.03	3774696.66	15.94673	(12081705)
480943.03	3774696.66	15.37364	(16083004)	480993.03	3774696.66	15.11945	(12082922)
481043.03	3774696.66	14.94638	(14091601)	481093.03	3774696.66	14.76817	(14091601)
481143.03	3774696.66	14.59364	(14091601)	481193.03	3774696.66	14.13386	(14091601)
481243.03	3774696.66	13.89280	(14091601)	481293.03	3774696.66	13.49023	(16060301)
481343.03	3774696.66	13.46093	(15082519)	481393.03	3774696.66	13.46215	(15082519)
481443.03	3774696.66	13.15786	(15082519)	481493.03	3774696.66	13.05778	(15082519)

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        481543.03   3774696.66       12.84091  (15082519)                480543.03
3774746.66       18.67424  (14090823)
        480593.03   3774746.66       18.01519  (14073102)                480643.03
3774746.66       17.52776  (14073102)
        480693.03   3774746.66       17.12917  (13090822)                480743.03
3774746.66       16.50440  (15101422)
        480793.03   3774746.66       16.43572  (13070323)                480843.03
3774746.66       15.79728  (13070323)
        480893.03   3774746.66       15.76337  (12081705)                480943.03
3774746.66       15.54277  (12081705)
        480993.03   3774746.66       15.28215  (12081705)                481043.03
3774746.66       15.08872  (12081705)
        481093.03   3774746.66       14.47543  (16083004)                481143.03
3774746.66       14.39231  (12082922)
        481193.03   3774746.66       14.22477  (14091601)                481243.03
3774746.66       14.00616  (14091601)
        481293.03   3774746.66       13.84688  (14091601)                481343.03
3774746.66       13.54529  (14091601)
        481393.03   3774746.66       13.18664  (14091601)                481443.03
3774746.66       13.00813  (16060301)
        481493.03   3774746.66       12.85877  (16060301)                481543.03
3774746.66       12.66252  (16060301)
        480543.03   3774796.66       18.23875  (13090224)                480593.03
3774796.66       17.88416  (12081522)
        480643.03   3774796.66       17.59746  (13090323)                480693.03
3774796.66       17.37574  (13090323)
        480743.03   3774796.66       16.77456  (12090521)                480793.03
3774796.66       16.08680  (13070303)
        480843.03   3774796.66       15.88044  (12082306)                480893.03
3774796.66       15.49170  (13070323)
        480943.03   3774796.66       15.41313  (13070323)                480993.03
3774796.66       15.22451  (15072523)
        481043.03   3774796.66       14.97061  (12081705)                481093.03
3774796.66       14.94680  (12081705)
        481143.03   3774796.66       14.43359  (12081705)                481193.03
3774796.66       14.18682  (12081705)
        481243.03   3774796.66       13.72200  (12082922)                481293.03
3774796.66       13.65996  (12082922)
        481343.03   3774796.66       13.56248  (14091601)                481393.03
3774796.66       13.28612  (14091601)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05

                                    PAGE 174
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
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INCLUDING SOURCE(S): L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
481443.03	3774796.66	13.14958	(14091601)	481493.03	3774796.66	12.96975	(12081401)
481543.03	3774796.66	12.75116	(12081401)	480543.03	3774846.66	17.87646	(16072221)
480593.03	3774846.66	17.73288	(15100821)	480643.03	3774846.66	17.14931	(13090224)
480693.03	3774846.66	17.41495	(13090323)	480743.03	3774846.66	16.85844	(13090323)
480793.03	3774846.66	15.96036	(13090323)	480843.03	3774846.66	15.74140	(12090521)
480893.03	3774846.66	15.17210	(13070303)	480943.03	3774846.66	15.15503	(13110718)
480993.03	3774846.66	15.01144	(13110718)	481043.03	3774846.66	14.75851	(13070323)
481093.03	3774846.66	14.51945	(15072523)	481143.03	3774846.66	14.48131	(12081705)
481193.03	3774846.66	14.19173	(12081705)	481243.03	3774846.66	14.10434	(12081705)
481293.03	3774846.66	13.76484	(12081705)	481343.03	3774846.66	13.43420	(16103004)
481393.03	3774846.66	13.29840	(12082922)	481443.03	3774846.66	13.19185	(12082922)
481493.03	3774846.66	12.90700	(12081401)	481543.03	3774846.66	12.83273	(12081401)
480543.03	3774896.66	17.52803	(12071222)	480593.03	3774896.66	17.24146	(16072221)
480643.03	3774896.66	17.35041	(15100821)	480693.03	3774896.66	17.12182	(15100821)
480743.03	3774896.66	16.57099	(14070702)	480793.03	3774896.66	16.13154	(13090323)
480843.03	3774896.66	15.66866	(13090323)	480893.03	3774896.66	15.37312	(13090323)
480943.03	3774896.66	15.08492	(12090521)	480993.03	3774896.66	14.81286	(12090521)
481043.03	3774896.66	14.74646	(13110718)	481093.03			

3774896.66   14.46020 (13110718)
        481143.03   3774896.66   14.16200 (13070323)   481193.03
3774896.66   13.91723 (15072523)
        481243.03   3774896.66   13.72349 (15072523)   481293.03
3774896.66   13.74982 (12081705)
        481343.03   3774896.66   13.60455 (12081705)   481393.03
3774896.66   13.40246 (12081705)
        481443.03   3774896.66   13.12082 (12081705)   481493.03
3774896.66   12.90586 (16103004)
        481543.03   3774896.66   12.79512 (12082922)   480543.03
3774946.66   17.50313 (14081423)
        480593.03   3774946.66   17.10331 (12081324)   480643.03
3774946.66   16.88040 (12081324)
        480693.03   3774946.66   16.59614 (15100821)   480743.03
3774946.66   16.33364 (15100821)
        480793.03   3774946.66   15.71214 (15100821)   480843.03
3774946.66   15.15262 (14070702)
        480893.03   3774946.66   15.34084 (13090323)   480943.03
3774946.66   15.40383 (13090323)
        480993.03   3774946.66   15.15970 (13090323)   481043.03
3774946.66   14.84295 (12090521)
        481093.03   3774946.66   14.43241 (12090521)   481143.03
3774946.66   14.24077 (13110718)
        481193.03   3774946.66   13.94628 (13110718)   481243.03
3774946.66   13.74615 (13110718)
        481293.03   3774946.66   13.52391 (13071201)   481343.03
3774946.66   13.45870 (12083005)
        481393.03   3774946.66   13.28604 (12083005)   481443.03
3774946.66   13.23971 (12081705)
        481493.03   3774946.66   13.12497 (12081705)   481543.03
3774946.66   12.75944 (12081705)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478170.37	3774040.02	11.34157	(16101924)	478220.37	3774040.02	12.03314	(16101924)
478270.37	3774040.02	12.88183	(16101924)	478320.37	3774040.02	13.73997	(16101924)
478170.37	3774090.02	11.55322	(15012917)	478220.37	3774090.02	12.24793	(15012917)
478270.37	3774090.02	13.10792	(15012917)	478320.37	3774090.02	13.97446	(15012917)
478170.37	3774140.02	11.47694	(15012917)	478220.37	3774140.02	12.16530	(15012917)
478270.37	3774140.02	13.00994	(15012917)	478320.37	3774140.02	13.86277	(15012917)
478170.37	3774190.02	11.18493	(15012908)	478220.37	3774190.02	11.88276	(15012908)
478270.37	3774190.02	12.67705	(15012908)	478320.37	3774190.02	13.50864	(16100705)
478170.37	3774240.02	11.16625	(16100705)	478220.37	3774240.02	11.84526	(16100705)
478270.37	3774240.02	12.61472	(16100705)	478320.37	3774240.02	13.40550	(16100705)
478370.37	3774240.02	14.30950	(16100705)	478420.37	3774240.02	15.34240	(16100705)
478470.37	3774240.02	16.41357	(16100705)	478520.37	3774240.02	17.91397	(13112720)
478570.37	3774240.02	19.61418	(13112720)	479170.37	3774240.02	120.38012	(16021808)
479220.37	3774240.02	158.54190	(14091624)	479270.37	3774240.02	223.73121	(16121606)
479320.37	3774240.02	389.79661	(13042407)	479370.37	3774240.02	430.48001	(13112916)
479420.37	3774240.02	251.14347	(13112916)	479470.37	3774240.02	149.59041	(14041207)
479520.37	3774240.02	127.86790	(14041207)	479570.37	3774240.02	101.11462	(14041207)
479620.37	3774240.02	85.89562	(12041107)	479670.37	3774240.02	73.69931	(12041107)
479720.37	3774240.02	61.28142	(12041107)	479770.37	3774240.02	50.29397	(12041107)
479820.37	3774240.02	40.47178	(12041107)	479870.37	3774240.02	32.25537	(12041107)
479920.37	3774240.02	28.15526	(16102817)	479970.37	3774240.02	29.22524	(16092920)
478170.37	3774290.02	10.83893	(14022723)	478220.37	3774290.02	11.51722	(13112720)

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        478270.37   3774290.02       12.37199  (13112720)                478320.37
3774290.02       13.25685  (13112720)
        478370.37   3774290.02       14.26019  (13112720)                478420.37
3774290.02       15.39640  (13112720)
        478470.37   3774290.02       16.57311  (13112720)                478520.37
3774290.02       17.99468  (13112720)
        478570.37   3774290.02       19.42038  (13112720)                479170.37
3774290.02      101.41689  (16092018)
        479220.37   3774290.02      124.82774  (13021808)                479270.37
3774290.02      153.87582  (15122518)
        479320.37   3774290.02      193.58022  (15011116)                479370.37
3774290.02      171.16247  (13112916)
        479420.37   3774290.02      212.13286  (13112916)                479470.37
3774290.02      125.36150  (13112916)
        479520.37   3774290.02       91.29073  (16041118)                479570.37
3774290.02       75.63270  (14041207)
        479620.37   3774290.02       69.49984  (14041207)                479670.37
3774290.02       58.87005  (14041207)
        479720.37   3774290.02       51.64697  (12041107)                479770.37
3774290.02       47.60998  (12041107)
        479820.37   3774290.02       42.33293  (12041107)                479870.37
3774290.02       36.72145  (12041107)
        479920.37   3774290.02       31.29909  (12041107)                479970.37
3774290.02       35.11395  (12081023)
        478170.37   3774340.02       10.98881  (13112720)                478220.37
3774340.02       11.67121  (13112720)
        478270.37   3774340.02       12.42762  (13112720)                478320.37
3774340.02       13.18546  (13112720)
        478370.37   3774340.02       14.02502  (13112720)                478420.37
3774340.02       15.01335  (14011323)
        478470.37   3774340.02       16.20299  (16111017)                478520.37
3774340.02       17.73947  (16111017)
        478570.37   3774340.02       19.34881  (16111017)                479170.37
3774340.02       83.55383  (14040103)
        479220.37   3774340.02       97.93211  (16021806)                479270.37
3774340.02      115.80543  (13090718)
1 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                   PAGE 176
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479320.37	3774340.02	122.24179	(13090718)	479370.37	3774340.02	117.47552	(16111019)
479420.37	3774340.02	135.76494	(13112916)	479470.37	3774340.02	121.53073	(13112916)
479520.37	3774340.02	77.41770	(15101019)	479570.37	3774340.02	66.05542	(16041118)
479620.37	3774340.02	57.52196	(16041118)	479670.37	3774340.02	47.54605	(12092019)
479720.37	3774340.02	43.60149	(14041207)	479770.37	3774340.02	38.22496	(14041207)
479820.37	3774340.02	33.40796	(12041107)	479870.37	3774340.02	32.65888	(12082819)
479920.37	3774340.02	32.25672	(12082819)	479970.37	3774340.02	35.27029	(16111417)
478170.37	3774390.02	10.77242	(13112720)	478220.37	3774390.02	11.38905	(14011323)
478270.37	3774390.02	12.13776	(14011323)	478320.37	3774390.02	12.97491	(16111017)
478370.37	3774390.02	14.05012	(16111017)	478420.37	3774390.02	15.10240	(16111017)
478470.37	3774390.02	16.28289	(16111017)	478520.37	3774390.02	17.47368	(16111017)
478570.37	3774390.02	18.64560	(16111017)	479170.37	3774390.02	69.56857	(13021808)
479220.37	3774390.02	76.24479	(16021806)	479270.37	3774390.02	91.70512	(13090718)
479320.37	3774390.02	90.02096	(14121123)	479370.37	3774390.02	88.32551	(16111019)
479420.37	3774390.02	79.03409	(13112916)	479470.37	3774390.02	97.98856	(13112916)
479520.37	3774390.02	76.76381	(13112916)	479570.37	3774390.02	57.62238	(15101019)
479620.37	3774390.02	50.36000	(16041118)	479670.37	3774390.02	45.77674	(16041118)
479720.37	3774390.02	39.42790	(16041118)	479770.37	3774390.02	34.16776	(13031818)
479820.37	3774390.02	33.97276	(13031818)	479870.37	3774390.02	33.46187	(13090921)
479920.37	3774390.02	35.99279	(13081820)	479970.37			

3774390.02   34.35229 (13081722)
        478170.37   3774440.02   10.73275 (16111017)   478220.37
3774440.02   11.45698 (16111017)
        478270.37   3774440.02   12.22738 (16111017)   478320.37
3774440.02   12.98265 (16111017)
        478370.37   3774440.02   13.84318 (16111017)   478420.37
3774440.02   14.62456 (16111017)
        478470.37   3774440.02   15.49755 (13052302)   478520.37
3774440.02   16.68969 (13052302)
        478570.37   3774440.02   17.83762 (13052302)   478620.37
3774440.02   19.30672 (16100301)
        478670.37   3774440.02   20.98980 (16100301)   478720.37
3774440.02   23.32706 (15091504)
        478770.37   3774440.02   25.58703 (15091504)   478820.37
3774440.02   27.91943 (13050502)
        479320.37   3774440.02   70.54233 (14121123)   479370.37
3774440.02   69.14069 (16111019)
        479420.37   3774440.02   62.65386 (16111019)   479470.37
3774440.02   69.42757 (13112916)
        479520.37   3774440.02   69.06685 (13112916)   479570.37
3774440.02   50.73893 (13112916)
        479620.37   3774440.02   44.99206 (15101019)   479670.37
3774440.02   40.02183 (16041118)
        479720.37   3774440.02   37.47105 (16041118)   479770.37
3774440.02   33.41426 (16041118)
        479820.37   3774440.02   33.98419 (12092019)   479870.37
3774440.02   31.80682 (13031818)
        479920.37   3774440.02   35.95288 (13090921)   479970.37
3774440.02   33.02672 (12052222)
        478170.37   3774490.02   10.71624 (16111017)   478220.37
3774490.02   11.33256 (16111017)
        478270.37   3774490.02   11.88433 (16111017)   478320.37
3774490.02   12.42142 (16111017)
        478370.37   3774490.02   13.26937 (13052302)   478420.37
3774490.02   14.09699 (13052302)
        478470.37   3774490.02   14.96079 (13052302)   478520.37
3774490.02   16.07902 (16100301)
        478570.37   3774490.02   17.25600 (16100301)   478620.37
3774490.02   19.04499 (15091504)
        478670.37   3774490.02   20.71885 (15091504)   478720.37
3774490.02   22.19778 (15091504)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ONSITE   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478749.26   3774487.73   23.22242 (13050502)   478820.37
3774490.02   27.01136 (16021808)
        479370.37   3774490.02   55.81821 (16111019)   479420.37
3774490.02   53.55275 (16111019)
        479470.37   3774490.02   49.83521 (16122407)   479520.37
3774490.02   55.78971 (13112916)
        479570.37   3774490.02   49.74818 (13112916)   479620.37
3774490.02   40.85102 (15101019)
        479670.37   3774490.02   36.33971 (15101019)   479720.37
3774490.02   32.82392 (16041118)
        479770.37   3774490.02   31.37788 (16041118)   479820.37
3774490.02   33.80916 (16041118)
        479870.37   3774490.02   36.29296 (16072623)   479920.37
3774490.02   34.61107 (16072821)
        479970.37   3774490.02   31.96316 (15082722)   478170.37
3774540.02   10.32940 (16111017)
        478220.37   3774540.02   10.87525 (13052302)   478270.37
3774540.02   11.49665 (13052302)
        478320.37   3774540.02   12.10252 (13052302)   478370.37
3774540.02   12.75222 (13052302)
        478420.37   3774540.02   13.64968 (16100301)   478470.37
3774540.02   14.57845 (16100301)
        478520.37   3774540.02   15.84105 (15091504)   478570.37
3774540.02   17.11478 (15091504)
        478620.37   3774540.02   18.38277 (15091504)   478670.37
3774540.02   19.55663 (13050502)
        478720.37   3774540.02   21.25623 (16021808)   478764.86
3774550.58   23.00882 (16021808)
        478807.52   3774552.41   24.29765 (16021808)   479370.37
3774540.02   47.08798 (14022508)
        479420.37   3774540.02   46.07077 (16111019)   479470.37
3774540.02   41.43712 (16122407)
        479520.37   3774540.02   42.17238 (13112916)   479570.37
3774540.02   43.97401 (13112916)

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        479620.37   3774540.02       36.17177  (13112916)                479670.37
3774540.02       33.76909  (15101019)
        479720.37   3774540.02       30.22475  (15101019)                479770.37
3774540.02       31.07332  (12071219)
        479820.37   3774540.02       32.01376  (12071219)                479870.37
3774540.02       34.54797  (13072106)
        479920.37   3774540.02       33.09899  (15072106)                479970.37
3774540.02       30.54535  (16061920)
        478170.37   3774590.02       10.11513  (13052302)                478220.37
3774590.02       10.59048  (13052302)
        478270.37   3774590.02       11.08146  (16100301)                478320.37
3774590.02       11.82523  (16100301)
        478370.37   3774590.02       12.51750  (16100301)                478420.37
3774590.02       13.44821  (15091504)
        478470.37   3774590.02       14.53259  (15091504)                478520.37
3774590.02       15.45314  (15091504)
        478570.37   3774590.02       16.33668  (13050502)                478620.37
3774590.02       17.39914  (13050502)
        478670.37   3774590.02       19.04795  (16021808)                478720.37
3774590.02       20.62875  (16021808)
        478776.33   3774602.87       21.51443  (14091624)                478804.31
3774604.25       22.62785  (14091624)
        479370.37   3774590.02       40.46941  (14022508)                479420.37
3774590.02       39.90056  (16111019)
        479470.37   3774590.02       35.10294  (16111019)                479520.37
3774590.02       35.51056  (16122407)
        479570.37   3774590.02       36.26066  (13112916)                479620.37
3774590.02       34.13325  (13112916)
        479670.37   3774590.02       30.02496  (13100917)                479720.37
3774590.02       28.57890  (15101019)
        479770.37   3774590.02       31.07629  (15101019)                479820.37
3774590.02       28.97281  (12071219)
        479870.37   3774590.02       34.31428  (12071219)                479920.37
3774590.02       31.54884  (12071219)
        479970.37   3774590.02       30.24354  (15072106)                478170.37
3774640.02        9.80080  (16100301)
        478220.37   3774640.02       10.36252  (16100301)                478270.37
3774640.02       10.89012  (16100301)
        478320.37   3774640.02       11.64687  (15091504)                478370.37
3774640.02       12.47577  (15091504)
        478420.37   3774640.02       13.22397  (15091504)                478470.37
3774640.02       13.94836  (15091504)
        478520.37   3774640.02       14.71241  (13050502)                478570.37
3774640.02       15.75006  (16021808)
        478620.37   3774640.02       17.15536  (16021808)                478670.37
3774640.02       18.34125  (16021808)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478720.37	3774640.02	19.17857	(16021808)	478770.37	3774640.02	20.69926	(14091624)
478820.37	3774640.02	21.91202	(14091624)	478870.37	3774640.02	23.75916	(16092018)
479370.37	3774640.02	35.27926	(14022508)	479420.37	3774640.02	34.88795	(16111019)
479470.37	3774640.02	31.92538	(16111019)	479520.37	3774640.02	30.90143	(16122407)
479570.37	3774640.02	29.75133	(16122407)	479620.37	3774640.02	30.21911	(13112916)
479670.37	3774640.02	27.09832	(16112620)	479720.37	3774640.02	28.72403	(15101019)
479770.37	3774640.02	29.63891	(15101019)	479820.37	3774640.02	26.88064	(14051521)
479870.37	3774640.02	32.37985	(12071219)	479920.37	3774640.02	31.05519	(12071219)
479970.37	3774640.02	29.06908	(12071219)	478170.37	3774690.02	9.63763	(16100301)
478220.37	3774690.02	10.19936	(15091504)	478270.37	3774690.02	10.86212	(15091504)
478320.37	3774690.02	11.53180	(15091504)	478370.37	3774690.02	12.09014	(15091504)
478420.37	3774690.02	12.62237	(13050502)	478470.37	3774690.02	13.35469	(13050502)
478520.37	3774690.02	14.35433	(16021808)	478570.37	3774690.02	15.52711	(16021808)
478620.37	3774690.02	16.38224	(16021808)	478670.37	3774690.02	16.98313	(16021808)
478720.37	3774690.02	18.36872	(14091624)	478770.37			

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3774690.02       19.29294  (14091624)
        478820.37   3774690.02       20.77856  (16092018)                478868.71
3774700.63       21.55638  (16092018)
        478861.34   3774671.12       22.51603  (16092018)                479026.61
3774722.40       24.23707  (16021806)
        479059.05   3774696.65       26.21000  (16021806)                479113.74
3774695.09       27.28526  (15122518)
        479370.37   3774690.02       31.09880  (14022508)                479420.37
3774690.02       30.74621  (16111019)
        479470.37   3774690.02       29.01199  (16111019)                479520.37
3774690.02       26.79159  (16122407)
        479570.37   3774690.02       26.94263  (16122407)                479620.37
3774690.02       25.37385  (13112916)
        479670.37   3774690.02       24.76217  (13112916)                479720.37
3774690.02       27.08267  (16112620)
        479770.37   3774690.02       27.07196  (15101019)                479820.37
3774690.02       31.23249  (14101507)
        479870.37   3774690.02       29.70561  (13063021)                479920.37
3774690.02       28.66441  (12071219)
        479970.37   3774690.02       28.60849  (12071219)                478170.37
3774740.02        9.61708  (15091504)
        478220.37   3774740.02       10.13921  (15091504)                478270.37
3774740.02       10.60688  (15091504)
        478320.37   3774740.02       11.05172  (15091504)                478370.37
3774740.02       11.60789  (13050502)
        478420.37   3774740.02       12.15739  (16021808)                478470.37
3774740.02       13.19878  (16021808)
        478520.37   3774740.02       14.04367  (16021808)                478570.37
3774740.02       14.75437  (16021808)
        478620.37   3774740.02       15.23860  (14091624)                478670.37
3774740.02       16.45193  (14091624)
        478720.37   3774740.02       17.19655  (14091624)                478770.37
3774740.02       18.34317  (16092018)
        478820.37   3774740.02       19.49841  (16092018)                478862.96
3774730.27       20.32750  (14040103)
        479020.37   3774740.02       23.33550  (16021806)                479070.37
3774740.02       23.67811  (16021806)
        479120.37   3774740.02       25.30950  (15122518)                479370.37
3774740.02       27.69896  (14022508)
        479420.37   3774740.02       27.29509  (16111019)                479470.37
3774740.02       26.38683  (16111019)
        479520.37   3774740.02       23.21701  (16122407)                479570.37
3774740.02       24.17696  (16122407)
        479620.37   3774740.02       23.12683  (16122407)                479670.37
3774740.02       22.16332  (12121601)
        479720.37   3774740.02       26.11463  (15031520)                479770.37
3774740.02       28.76500  (15031520)
        479820.37   3774740.02       29.58783  (15101019)                479870.37
3774740.02       28.10447  (14051521)
        479920.37   3774740.02       26.46076  (13063021)                479970.37
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478170.37   3774790.02   9.44658 (15091504)   478220.37
3774790.02   9.79126 (15091504)
        478270.37   3774790.02   10.19047 (13050502)   478320.37
3774790.02   10.68707 (13050502)
        478370.37   3774790.02   11.31561 (16021808)   478420.37
3774790.02   12.17070 (16021808)
        478470.37   3774790.02   12.83241 (16021808)   478520.37
3774790.02   13.31746 (16021808)
        478570.37   3774790.02   13.85291 (14091624)   478620.37
3774790.02   14.78701 (14091624)
        478670.37   3774790.02   15.46183 (14091624)   478720.37
3774790.02   16.31980 (16092018)
        478770.37   3774790.02   17.40740 (16092018)   478820.37
3774790.02   17.92060 (14040103)
        478870.37   3774790.02   18.64501 (13021808)   478920.37
3774790.02   19.74338 (13021808)
        478970.37   3774790.02   20.47189 (16121606)   479020.37
3774790.02   21.32976 (16021806)
        479070.37   3774790.02   21.75411 (15122518)   479120.37
3774790.02   22.92835 (15122518)
        479370.37   3774790.02   24.89201 (14022508)   479420.37
3774790.02   24.39406 (16111019)
        479470.37   3774790.02   24.01679 (16111019)   479520.37
3774790.02   21.61970 (16111019)

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        479570.37   3774790.02       21.55965  (16122407)                479620.37
3774790.02       21.37182  (16122407)
        479670.37   3774790.02       20.14494  (12121601)                479720.37
3774790.02       23.86618  (12121601)
        479770.37   3774790.02       27.71805  (15031520)                479820.37
3774790.02       26.96704  (16090403)
        479870.37   3774790.02       26.49421  (15101019)                479920.37
3774790.02       26.09160  (13063021)
        479970.37   3774790.02       24.92566  (13063021)                477970.37
3774840.02        7.67293  (15091504)
        478020.37   3774840.02        8.09226  (15091504)                478070.37
3774840.02        8.45772  (15091504)
        478120.37   3774840.02        8.79082  (15091504)                478170.37
3774840.02        9.06666  (13050502)
        478220.37   3774840.02        9.47493  (13050502)                478270.37
3774840.02        9.85254  (13050502)
        478320.37   3774840.02       10.55678  (16021808)                478370.37
3774840.02       11.19892  (16021808)
        478420.37   3774840.02       11.77319  (16021808)                478470.37
3774840.02       12.11519  (16021808)
        478520.37   3774840.02       12.63161  (14091624)                478570.37
3774840.02       13.44666  (14091624)
        478620.37   3774840.02       13.98845  (14091624)                478670.37
3774840.02       14.68423  (16092018)
        478720.37   3774840.02       15.60452  (16092018)                478770.37
3774840.02       16.10782  (16092018)
        478820.37   3774840.02       16.59951  (14040103)                478870.37
3774840.02       17.62141  (13021808)
        478920.37   3774840.02       18.24581  (16121606)                478970.37
3774840.02       18.98295  (16021806)
        479020.37   3774840.02       19.27304  (16021806)                479070.37
3774840.02       20.23725  (15122518)
        479120.37   3774840.02       20.75770  (15122518)                479170.37
3774840.02       22.95587  (13090718)
        479220.37   3774840.02       24.06311  (13090718)                479270.37
3774840.02       23.06318  (13090718)
        479320.37   3774840.02       22.33507  (14121123)                479370.37
3774840.02       22.53421  (14022508)
        479420.37   3774840.02       21.92424  (16111019)                479470.37
3774840.02       21.94805  (16111019)
        479520.37   3774840.02       20.22376  (16111019)                479570.37
3774840.02       19.18217  (16122407)
        479620.37   3774840.02       19.58385  (16122407)                479670.37
3774840.02       21.98265  (16122407)
        479720.37   3774840.02       22.08172  (12121601)                479770.37
3774840.02       26.06147  (15062006)
        479820.37   3774840.02       25.56593  (15031520)                479870.37
3774840.02       24.43234  (16090403)
        479920.37   3774840.02       24.76166  (14101507)                479970.37
3774840.02       23.84262  (13063021)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
477970.37	3774890.02	7.63923	(15091504)	478020.37	3774890.02	7.91281	(15091504)
478070.37	3774890.02	8.15182	(15091504)	478120.37	3774890.02	8.49935	(13050502)
478170.37	3774890.02	8.81565	(13050502)	478220.37	3774890.02	9.21531	(16021808)
478270.37	3774890.02	9.86530	(16021808)	478320.37	3774890.02	10.38774	(16021808)
478370.37	3774890.02	10.79033	(16021808)	478420.37	3774890.02	11.09051	(16021808)
478470.37	3774890.02	11.59604	(14091624)	478520.37	3774890.02	12.26752	(14091624)
478570.37	3774890.02	12.72121	(14091624)	478620.37	3774890.02	13.28608	(16092018)
478670.37	3774890.02	14.13972	(16092018)	478720.37	3774890.02	14.58854	(16092018)
478770.37	3774890.02	15.03774	(14040103)	478820.37	3774890.02	15.73331	(13021808)
478870.37	3774890.02	16.37026	(13021808)	478920.37	3774890.02	16.91644	(16121606)
478970.37	3774890.02	17.53297	(16021806)	479020.37	3774890.02	17.53231	(15122518)
479070.37	3774890.02	18.74096	(15122518)	479120.37	3774890.02	19.05475	(13090718)
479170.37	3774890.02	21.24677	(13090718)	479220.37			

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3774890.02       21.90482  (13090718)
        479270.37   3774890.02       20.80861  (13090718)                479320.37
3774890.02       20.31545  (14121123)
        479370.37   3774890.02       20.53064  (14022508)                479420.37
3774890.02       19.82358  (16111019)
        479470.37   3774890.02       20.11185  (16111019)                479520.37
3774890.02       18.89551  (16111019)
        479570.37   3774890.02       17.04680  (16122407)                479620.37
3774890.02       17.84072  (16122407)
        479670.37   3774890.02       20.59372  (16122407)                479720.37
3774890.02       20.11925  (12121601)
        479770.37   3774890.02       24.13896  (15062006)                479820.37
3774890.02       24.59545  (15062006)
        479870.37   3774890.02       22.86937  (15031120)                479920.37
3774890.02       23.31159  (16090403)
        479970.37   3774890.02       22.52662  (14101507)                477970.37
3774940.02        7.40857  (15091504)
        478020.37   3774940.02        7.63720  (13050502)                478070.37
3774940.02        7.94566  (13050502)
        478120.37   3774940.02        8.20905  (13050502)                478170.37
3774940.02        8.68970  (16021808)
        478220.37   3774940.02        9.19275  (16021808)                478270.37
3774940.02        9.66045  (16021808)
        478320.37   3774940.02        9.97502  (16021808)                478370.37
3774940.02       10.14880  (16021808)
        478420.37   3774940.02       10.71187  (14091624)                478470.37
3774940.02       11.26752  (14091624)
        478520.37   3774940.02       11.63811  (14091624)                478570.37
3774940.02       12.07666  (16092018)
        478620.37   3774940.02       12.87124  (16092018)                478670.37
3774940.02       13.33529  (16092018)
        478720.37   3774940.02       13.64512  (14040103)                478770.37
3774940.02       14.09022  (13021808)
        478820.37   3774940.02       14.83680  (13021808)                478870.37
3774940.02       15.32791  (16121606)
        478920.37   3774940.02       15.85990  (16021806)                478970.37
3774940.02       16.06325  (16021806)
        479020.37   3774940.02       16.58422  (15122518)                479070.37
3774940.02       17.30441  (15122518)
        479120.37   3774940.02       18.01919  (13090718)                479170.37
3774940.02       19.69550  (13090718)
        479220.37   3774940.02       20.02415  (13090718)                479270.37
3774940.02       18.88380  (13090718)
        479320.37   3774940.02       18.58892  (14121123)                479370.37
3774940.02       18.81073  (14022508)
        479420.37   3774940.02       18.04889  (14022508)                479470.37
3774940.02       18.48084  (16111019)
        479520.37   3774940.02       17.66253  (16111019)                479570.37
3774940.02       15.79521  (16111019)
        479620.37   3774940.02       16.18868  (16122407)                479670.37
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3774940.02   19.11264 (16122407)
        479720.37   3774940.02   18.99118 (16122407)   479770.37
3774940.02   23.10509 (16112621)
        479820.37   3774940.02   23.30740 (15062006)   479870.37
3774940.02   22.01785 (15031520)
        479920.37   3774940.02   21.95617 (15031120)   479970.37
3774940.02   21.28406 (16090403)
        477970.37   3774990.02   7.20818 (13050502)   478020.37
3774990.02   7.44137 (13050502)
        478070.37   3774990.02   7.70417 (16021808)   478120.37
3774990.02   8.20208 (16021808)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478170.37   3774990.02   8.62299 (16021808)   478220.37
3774990.02   8.96627 (16021808)
        478270.37   3774990.02   9.25092 (16021808)   478320.37
3774990.02   9.36967 (16021808)
        478370.37   3774990.02   9.89641 (14091624)   478420.37
3774990.02   10.41343 (14091624)
        478470.37   3774990.02   10.71570 (14091624)   478520.37
3774990.02   11.03888 (16092018)
        478570.37   3774990.02   11.76122 (16092018)   478620.37
3774990.02   12.23079 (16092018)
        478670.37   3774990.02   12.47988 (14040103)   478720.37
3774990.02   12.73358 (14040103)
        478770.37   3774990.02   13.47561 (13021808)   478820.37
3774990.02   13.82277 (16121606)

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        478870.37   3774990.02       14.27968  (16121606)                478920.37
3774990.02       14.79506  (16021806)
        478970.37   3774990.02       14.66023  (14040102)                479020.37
3774990.02       15.60978  (15122518)
        479070.37   3774990.02       15.94959  (15122518)                479120.37
3774990.02       17.02202  (13090718)
        479170.37   3774990.02       18.29009  (13090718)                479220.37
3774990.02       18.37668  (13090718)
        479270.37   3774990.02       17.32331  (14121123)                479320.37
3774990.02       17.09862  (14121123)
        479370.37   3774990.02       17.32101  (14022508)                479420.37
3774990.02       16.73533  (14022508)
        479470.37   3774990.02       17.02950  (16111019)                479520.37
3774990.02       16.51487  (16111019)
        479570.37   3774990.02       15.05442  (16111019)                479620.37
3774990.02       14.65228  (16122407)
        479670.37   3774990.02       17.61350  (16122407)                479720.37
3774990.02       17.99983  (16122407)
        479770.37   3774990.02       21.63714  (16111018)                479820.37
3774990.02       21.59876  (15062006)
        479870.37   3774990.02       21.16811  (15062006)                479920.37
3774990.02       20.71651  (15031120)
        479970.37   3774990.02       19.95192  (15031120)                477970.37
3775040.02        6.98360  (13050502)
        478020.37   3775040.02        7.31270  (16021808)                478070.37
3775040.02        7.72869  (16021808)
        478120.37   3775040.02        8.10242  (16021808)                478170.37
3775040.02        8.38139  (16021808)
        478220.37   3775040.02        8.56751  (16021808)                478270.37
3775040.02        8.69080  (14091624)
        478320.37   3775040.02        9.21645  (14091624)                478370.37
3775040.02        9.62673  (14091624)
        478420.37   3775040.02        9.92494  (14091624)                478470.37
3775040.02       10.15278  (16092018)
        478520.37   3775040.02       10.79938  (16092018)                478570.37
3775040.02       11.24951  (16092018)
        478620.37   3775040.02       11.44244  (14040103)                478670.37
3775040.02       11.76267  (14040103)
        478720.37   3775040.02       12.24359  (13021808)                478770.37
3775040.02       12.71614  (13021808)
        478820.37   3775040.02       13.08497  (16121606)                478870.37
3775040.02       13.52529  (16021806)
        478920.37   3775040.02       13.70295  (16021806)                478970.37
3775040.02       13.83238  (15122518)
        479020.37   3775040.02       14.63956  (15122518)                479070.37
3775040.02       14.68711  (15122518)
        479120.37   3775040.02       16.07320  (13090718)                479170.37
3775040.02       17.01731  (13090718)
        479220.37   3775040.02       16.92606  (13090718)                479270.37
3775040.02       16.04409  (14121123)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478070.37	3775090.02	7.60549	(16021808)	478120.37	3775090.02	7.85213	(16021808)
478170.37	3775090.02	7.99338	(16021808)	478220.37	3775090.02	8.12071	(14091624)
478270.37	3775090.02	8.61207	(14091624)	478320.37	3775090.02	8.96972	(14091624)
478370.37	3775090.02	9.19435	(14091624)	478420.37	3775090.02	9.39171	(16092018)
478470.37	3775090.02	9.97125	(16092018)	478520.37			

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3775090.02       10.38849  (16092018)
        478570.37   3775090.02       10.59295  (16092018)                478620.37
3775090.02       10.87870  (14040103)
        478670.37   3775090.02       11.16654  (13021808)                478720.37
3775090.02       11.69044  (13021808)
        478770.37   3775090.02       11.95060  (16121606)                478820.37
3775090.02       12.27270  (16021806)
        478870.37   3775090.02       12.71637  (16021806)                478920.37
3775090.02       12.62069  (16021806)
        478970.37   3775090.02       13.18394  (15122518)                479020.37
3775090.02       13.69413  (15122518)
        479070.37   3775090.02       13.75540  (15100406)                479120.37
3775090.02       15.17755  (13090718)
        479170.37   3775090.02       15.86398  (13090718)                479220.37
3775090.02       15.64249  (13090718)
        479270.37   3775090.02       14.91624  (14121123)                479320.37
3775090.02       14.66314  (14121123)
        479370.37   3775090.02       14.87663  (14022508)                479420.37
3775090.02       14.53779  (14022508)
        479470.37   3775090.02       14.57703  (16111019)                479520.37
3775090.02       14.48474  (16111019)
        479570.37   3775090.02       13.62249  (16111019)                479620.37
3775090.02       12.40086  (12022721)
        479670.37   3775090.02       12.74431  (16122407)                479720.37
3775090.02       15.77076  (16122407)
        479770.37   3775090.02       19.91211  (16111018)                479820.37
3775090.02       19.13643  (16111018)
        479870.37   3775090.02       18.83964  (15062006)                479920.37
3775090.02       19.41491  (15062006)
        479970.37   3775090.02       18.24453  (15031520)                477970.37
3775140.02        6.91621  (16021808)
        478020.37   3775140.02        7.16081  (16021808)                478070.37
3775140.02        7.35237  (16021808)
        478120.37   3775140.02        7.47677  (16021808)                478170.37
3775140.02        7.63883  (14091624)
        478220.37   3775140.02        8.04234  (14091624)                478270.37
3775140.02        8.38566  (14091624)
        478320.37   3775140.02        8.58216  (14091624)                478370.37
3775140.02        8.68576  (16092018)
        478420.37   3775140.02        9.25483  (16092018)                478470.37
3775140.02        9.63935  (16092018)
        478520.37   3775140.02        9.84666  (16092018)                478570.37
3775140.02       10.07267  (14040103)
        478620.37   3775140.02       10.21087  (14040103)                478670.37
3775140.02       10.77108  (13021808)
        478720.37   3775140.02       11.03657  (13021808)                478770.37
3775140.02       11.34198  (16121606)
        478820.37   3775140.02       11.69508  (16021806)                478870.37
3775140.02       11.86659  (16021806)
        478920.37   3775140.02       11.77304  (14040102)                478970.37
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3775140.02   12.51685 (15122518)
        479020.37   3775140.02   12.78669 (15122518)   479070.37
3775140.02   13.16978 (13090718)
        479120.37   3775140.02   14.33661 (13090718)   479170.37
3775140.02   14.81764 (13090718)
        479220.37   3775140.02   14.50143 (13090718)   479270.37
3775140.02   13.91578 (14121123)
        479320.37   3775140.02   13.65802 (14121123)   479370.37
3775140.02   13.86439 (14022508)
        479420.37   3775140.02   13.61026 (14022508)   479470.37
3775140.02   13.54476 (16111019)
        479520.37   3775140.02   13.57996 (16111019)   479570.37
3775140.02   12.93831 (16111019)
        479620.37   3775140.02   11.72737 (16111019)   479670.37
3775140.02   11.67460 (16122407)
        479720.37   3775140.02   14.62875 (16122407)   479770.37
3775140.02   18.54204 (16111018)
        479820.37   3775140.02   18.35297 (16111018)   479870.37
3775140.02   17.71379 (16112621)
        479920.37   3775140.02   18.32337 (15062006)   479970.37
3775140.02   18.09210 (15062006)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        477970.37   3775190.02   6.76299 (16021808)   478020.37
3775190.02   6.90763 (16021808)
        478070.37   3775190.02   6.99212 (16021808)   478120.37
3775190.02   7.20315 (14091624)

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        478170.37   3775190.02        7.56066  (14091624)               478220.37
3775190.02        7.83553  (14091624)
        478270.37   3775190.02        8.03647  (14091624)               478320.37
3775190.02        8.09448  (16092018)
        478370.37   3775190.02        8.58567  (16092018)               478420.37
3775190.02        8.98535  (16092018)
        478470.37   3775190.02        9.18923  (16092018)               478520.37
3775190.02        9.34952  (14040103)
        478570.37   3775190.02        9.53116  (14040103)               478620.37
3775190.02        9.92126  (13021808)
        478670.37   3775190.02       10.27399  (13021808)               478720.37
3775190.02       10.49084  (16121606)
        478770.37   3775190.02       10.70554  (16021806)               478820.37
3775190.02       11.06657  (16021806)
        478870.37   3775190.02       11.01400  (16021806)               478920.37
3775190.02       11.31425  (15122518)
        478970.37   3775190.02       11.84770  (15122518)               479020.37
3775190.02       11.92515  (15122518)
        479070.37   3775190.02       12.60853  (13090718)               479120.37
3775190.02       13.54984  (13090718)
        479170.37   3775190.02       13.86686  (13090718)               479220.37
3775190.02       13.48259  (13090718)
        479270.37   3775190.02       13.02339  (14121123)               479320.37
3775190.02       12.76488  (14121123)
        479370.37   3775190.02       12.96331  (14022508)               479420.37
3775190.02       12.77589  (14022508)
        479470.37   3775190.02       12.61503  (16111019)               479520.37
3775190.02       12.74726  (16111019)
        479570.37   3775190.02       12.28514  (16111019)               479620.37
3775190.02       11.29025  (16111019)
        479670.37   3775190.02       10.67950  (16122407)               479720.37
3775190.02       13.51088  (16122407)
        479770.37   3775190.02       17.11782  (16111018)               479820.37
3775190.02       17.40142  (16111018)
        479870.37   3775190.02       17.63459  (16111018)               479920.37
3775190.02       17.00966  (15062006)
        479970.37   3775190.02       17.64811  (15062006)               477970.37
3775240.02        6.51163  (16021808)
        478020.37   3775240.02        6.56217  (16021808)               478070.37
3775240.02        6.79243  (14091624)
        478120.37   3775240.02        7.12597  (14091624)               478170.37
3775240.02        7.36970  (14091624)
        478220.37   3775240.02        7.52129  (14091624)               478270.37
3775240.02        7.59193  (14091624)
        478320.37   3775240.02        8.02212  (16092018)               478370.37
3775240.02        8.36856  (16092018)
        478420.37   3775240.02        8.60908  (16092018)               478470.37
3775240.02        8.70797  (14040103)
        478520.37   3775240.02        8.91033  (14040103)               478570.37
3775240.02        9.13847  (13021808)
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        478620.37   3775240.02        9.53607  (13021808)               478670.37
3775240.02        9.70625  (13021808)
        478720.37   3775240.02        9.98706  (16121606)               478770.37
3775240.02       10.24800  (16021806)
        478820.37   3775240.02       10.41117  (16021806)               478870.37
3775240.02       10.30770  (14040102)
        478920.37   3775240.02       10.84556  (15122518)               478970.37
3775240.02       11.18848  (15122518)
        479020.37   3775240.02       11.13639  (15100406)               479070.37
3775240.02       12.06262  (13090718)
        479120.37   3775240.02       12.81540  (13090718)               479170.37
3775240.02       13.00135  (13090718)
        479220.37   3775240.02       12.56913  (13090718)               479270.37
3775240.02       12.22338  (14121123)
        479320.37   3775240.02       11.96681  (14121123)               479370.37
3775240.02       12.15691  (14022508)
        479420.37   3775240.02       12.02281  (14022508)               479470.37
3775240.02       11.76297  (16111019)
        479520.37   3775240.02       11.98097  (16111019)               479570.37
3775240.02       11.65919  (16111019)
        479620.37   3775240.02       10.85318  (16111019)               479670.37
3775240.02       12.01820  (12022721)
        479720.37   3775240.02       12.43673  (16122407)               479770.37
3775240.02       16.23724  (13100921)
        479820.37   3775240.02       16.34245  (16111018)               479870.37
3775240.02       17.01196  (16111018)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 184
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        479920.37   3775240.02       16.08945  (16112621)                479970.37
3775240.02       16.63831  (15062006)
        477970.37   3775290.02        6.15640  (16021808)                478020.37
3775290.02        6.42605  (14091624)
        478070.37   3775290.02        6.71732  (14091624)                478120.37
3775290.02        6.94919  (14091624)
        478170.37   3775290.02        7.08390  (14091624)                478220.37
3775290.02        7.12272  (14091624)
        478270.37   3775290.02        7.51657  (16092018)                478320.37
3775290.02        7.84578  (16092018)
        478370.37   3775290.02        8.05517  (16092018)                478420.37
3775290.02        8.15212  (16092018)
        478470.37   3775290.02        8.35143  (14040103)                478520.37
3775290.02        8.42840  (13021808)
        478570.37   3775290.02        8.86896  (13021808)                478620.37
3775290.02        9.08943  (13021808)
        478670.37   3775290.02        9.31187  (16121606)                478720.37
3775290.02        9.47782  (16021806)
        478770.37   3775290.02        9.74866  (16021806)                478820.37
3775290.02        9.74056  (16021806)
        478870.37   3775290.02        9.80201  (15122518)                478920.37
3775290.02       10.36301  (15122518)
        478970.37   3775290.02       10.54762  (15122518)                479020.37
3775290.02       10.61167  (15100406)
        479070.37   3775290.02       11.53568  (13090718)                479120.37
3775290.02       12.13074  (13090718)
        479170.37   3775290.02       12.21189  (13090718)                479220.37
3775290.02       11.74694  (13090718)
        479270.37   3775290.02       11.50284  (14121123)                479320.37
3775290.02       11.25011  (14121123)
        479370.37   3775290.02       11.43175  (14022508)                479420.37
3775290.02       11.34047  (14022508)
        479470.37   3775290.02       10.99761  (16111019)                479520.37
3775290.02       11.27553  (16111019)
        479570.37   3775290.02       11.06204  (16111019)                479620.37
3775290.02       10.42173  (16111019)
        479670.37   3775290.02       11.88779  (12022721)                479720.37
3775290.02       15.05301  (16092620)
        479770.37   3775290.02       15.40590  (13100921)                479820.37
3775290.02       15.22613  (16111018)
        479870.37   3775290.02       16.23358  (16111018)                479920.37
3775290.02       15.62517  (16111018)
        479970.37   3775290.02       15.66994  (15062006)                477970.37
3775340.02        6.07833  (14091624)
        478020.37   3775340.02        6.35303  (14091624)                478070.37
3775340.02        6.54608  (14091624)
        478120.37   3775340.02        6.68823  (14091624)                478170.37
3775340.02        6.72297  (14091624)
        478220.37   3775340.02        7.03563  (16092018)                478270.37
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3775340.02   7.37051 (16092018)
        478320.37   3775340.02   7.58231 (16092018)   478370.37
3775340.02   7.66689 (16092018)
        478420.37   3775340.02   7.84884 (14040103)   478470.37
3775340.02   7.92926 (14040103)
        478520.37   3775340.02   8.23952 (13021808)   478570.37
3775340.02   8.52668 (13021808)
        478620.37   3775340.02   8.64252 (16121606)   478670.37
3775340.02   8.88343 (16121606)
        478720.37   3775340.02   9.10609 (16021806)   478770.37
3775340.02   9.22480 (16021806)
        478820.37   3775340.02   9.13755 (14040102)   478870.37
3775340.02   9.47037 (15122518)
        478920.37   3775340.02   9.87646 (15122518)   478970.37
3775340.02   9.93075 (15122518)
        479020.37   3775340.02   10.17485 (13090718)   479070.37
3775340.02   11.02994 (13090718)
        479120.37   3775340.02   11.49293 (13090718)   479170.37
3775340.02   11.49035 (13090718)
        479220.37   3775340.02   11.00421 (13090718)   479270.37
3775340.02   10.85111 (14121123)
        479320.37   3775340.02   10.60349 (14121123)   479370.37
3775340.02   10.77674 (14022508)
        479420.37   3775340.02   10.72001 (14022508)   479470.37
3775340.02   10.34605 (13050520)
        479520.37   3775340.02   10.62560 (16111019)   479570.37
3775340.02   10.50821 (16111019)
        479620.37   3775340.02   9.99987 (16111019)   479670.37
3775340.02   11.36724 (15101020)
        479720.37   3775340.02   14.40371 (16092620)   479770.37
3775340.02   14.53494 (13100921)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479820.37	3775340.02	14.33850	(13100921)	479870.37	3775340.02	15.34805	(16111018)
479920.37	3775340.02	15.13384	(16111018)	479970.37	3775340.02	14.95771	(13070304)
477970.37	3775390.02	6.00804	(14091624)	478020.37	3775390.02	6.20137	(14091624)
478070.37	3775390.02	6.30825	(14091624)	478120.37	3775390.02	6.36003	(14091624)
478170.37	3775390.02	6.62623	(16092018)	478220.37	3775390.02	6.92137	(16092018)
478270.37	3775390.02	7.12666	(16092018)	478320.37	3775390.02	7.24944	(16092018)
478370.37	3775390.02	7.36293	(14040103)	478420.37	3775390.02	7.49632	(14040103)
478470.37	3775390.02	7.66588	(13021808)	478520.37	3775390.02	7.97431	(13021808)
478570.37	3775390.02	8.13021	(13021808)	478620.37	3775390.02	8.31805	(16121606)
478670.37	3775390.02	8.46996	(16021806)	478720.37	3775390.02	8.69975	(16021806)
478770.37	3775390.02	8.69039	(16021806)	478820.37	3775390.02	8.66084	(14040102)
478870.37	3775390.02	9.12006	(15122518)	478920.37	3775390.02	9.39342	(15122518)
478970.37	3775390.02	9.34147	(15122518)	479020.37	3775390.02	9.82839	(13090718)
479070.37	3775390.02	10.54655	(13090718)	479120.37	3775390.02	10.89889	(13090718)
479170.37	3775390.02	10.82950	(13090718)	479220.37	3775390.02	10.33095	(13090718)
479270.37	3775390.02	10.25930	(14121123)	479320.37	3775390.02	10.01764	(14121123)
479370.37	3775390.02	10.18269	(14022508)	479420.37	3775390.02	10.15390	(14022508)
479470.37	3775390.02	9.76092	(13050520)	479520.37	3775390.02	10.02625	(16111019)
479570.37	3775390.02	9.99216	(16111019)	479620.37	3775390.02	9.59021	(16111019)
479670.37	3775390.02	11.42450	(15101020)	479720.37	3775390.02	13.79033	(12022721)
479770.37	3775390.02	13.82993	(16092620)	479820.37	3775390.02	14.18379	(13100921)
479870.37	3775390.02	14.39699	(16111018)	479920.37	3775390.02	15.07332	(16111018)

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        479970.37   3775390.02       14.62128  (16111018)               477970.37
3775440.02        5.86710  (14091624)
        478020.37   3775440.02        5.97634  (14091624)               478070.37
3775440.02        6.01010  (14091624)
        478120.37   3775440.02        6.23248  (16092018)               478170.37
3775440.02        6.53460  (16092018)
        478220.37   3775440.02        6.73564  (16092018)               478270.37
3775440.02        6.84202  (16092018)
        478320.37   3775440.02        6.93793  (14040103)               478370.37
3775440.02        7.07055  (14040103)
        478420.37   3775440.02        7.12491  (13021808)               478470.37
3775440.02        7.47451  (13021808)
        478520.37   3775440.02        7.65940  (13021808)               478570.37
3775440.02        7.79370  (16121606)
        478620.37   3775440.02        7.95438  (16121606)               478670.37
3775440.02        8.15268  (16021806)
        478720.37   3775440.02        8.27155  (16021806)               478770.37
3775440.02        8.15651  (14040102)
        478820.37   3775440.02        8.35899  (15122518)               478870.37
3775440.02        8.77495  (15122518)
        478920.37   3775440.02        8.91948  (15122518)               478970.37
3775440.02        8.87152  (15100406)
        479020.37   3775440.02        9.48626  (13090718)               479070.37
3775440.02       10.08597  (13090718)
        479120.37   3775440.02       10.34553  (13090718)               479170.37
3775440.02       10.22299  (13090718)
        479220.37   3775440.02        9.71870  (13090718)               479270.37
3775440.02        9.71993  (14121123)
        479320.37   3775440.02        9.48477  (14121123)               479370.37
3775440.02        9.64188  (14022508)
        479420.37   3775440.02        9.63575  (14022508)               479470.37
3775440.02        9.25055  (14022508)
        479520.37   3775440.02        9.47291  (16111019)               479570.37
3775440.02        9.50287  (16111019)
        479620.37   3775440.02        9.19467  (16111019)               479670.37
3775440.02       10.98478  (15101020)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                   PAGE 186
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479720.37	3775440.02	13.42088	(12022721)	479770.37	3775440.02	13.37947	(16092620)
479820.37	3775440.02	13.72951	(13100921)	479870.37	3775440.02	13.66152	(13100921)
479920.37	3775440.02	14.46268	(16111018)	479970.37	3775440.02	14.22196	(16111018)
477970.37	3775490.02	5.66637	(14091624)	478020.37	3775490.02	5.69061	(14091624)
478070.37	3775490.02	5.89352	(16092018)	478120.37	3775490.02	6.16004	(16092018)
478170.37	3775490.02	6.37093	(16092018)	478220.37	3775490.02	6.49072	(16092018)
478270.37	3775490.02	6.53121	(14040103)	478320.37	3775490.02	6.69071	(14040103)
478370.37	3775490.02	6.73278	(14040103)	478420.37	3775490.02	6.98931	(13021808)
478470.37	3775490.02	7.22920	(13021808)	478520.37	3775490.02	7.30535	(13021808)
478570.37	3775490.02	7.50989	(16121606)	478620.37	3775490.02	7.61893	(16021806)
478670.37	3775490.02	7.81787	(16021806)	478720.37	3775490.02	7.83206	(16021806)
478770.37	3775490.02	7.77735	(14040102)	478820.37	3775490.02	8.10153	(15122518)
478870.37	3775490.02	8.40788	(15122518)	478920.37	3775490.02	8.45866	(15122518)
478970.37	3775490.02	8.51512	(15100406)	479020.37	3775490.02	9.15086	(13090718)
479070.37	3775490.02	9.64811	(13090718)	479120.37	3775490.02	9.82984	(13090718)
479170.37	3775490.02	9.66522	(13090718)	479220.37	3775490.02	9.16024	(13090718)
479270.37	3775490.02	9.22670	(14121123)	479320.37	3775490.02	8.99834	(14121123)
479370.37	3775490.02	9.14784	(14022508)	479420.37	3775490.02	9.16010	(14022508)
479470.37	3775490.02	8.82899	(14022508)	479520.37	3775490.02	8.96141	(16111019)
479570.37	3775490.02	9.04208	(16111019)	479620.37			

3775490.02 8.81443 (16111019)
  479670.37 3775490.02 10.52311 (15101020) 479720.37
3775490.02 13.05421 (12022721)
  479770.37 3775490.02 12.89068 (16092620) 479820.37
3775490.02 13.12773 (13100921)
  479870.37 3775490.02 13.37295 (13100921) 479920.37
3775490.02 13.64616 (16111018)
  479970.37 3775490.02 13.75866 (16111018) 477970.37
3775540.02 5.41644 (14091624)
  478020.37 3775540.02 5.56736 (16092018) 478070.37
3775540.02 5.82532 (16092018)
  478120.37 3775540.02 6.02903 (16092018) 478170.37
3775540.02 6.14842 (16092018)
  478220.37 3775540.02 6.19907 (16092018) 478270.37
3775540.02 6.33027 (14040103)
  478320.37 3775540.02 6.39212 (14040103) 478370.37
3775540.02 6.55553 (13021808)
  478420.37 3775540.02 6.80149 (13021808) 478470.37
3775540.02 6.93730 (13021808)
  478520.37 3775540.02 7.05716 (16121606) 478570.37
3775540.02 7.19499 (16121606)
  478620.37 3775540.02 7.36346 (16021806) 478670.37
3775540.02 7.45838 (16021806)
  478720.37 3775540.02 7.38988 (16021806) 478770.37
3775540.02 7.41889 (15122518)
  478820.37 3775540.02 7.83036 (15122518) 478870.37
3775540.02 8.03083 (15122518)
  478920.37 3775540.02 8.01380 (15122518) 478970.37
3775540.02 8.16717 (15100406)
  479020.37 3775540.02 8.82393 (13090718) 479070.37
3775540.02 9.23253 (13090718)
  479120.37 3775540.02 9.34898 (13090718) 479170.37
3775540.02 9.15124 (13090718)
  479220.37 3775540.02 8.70539 (14121123) 479270.37
3775540.02 8.77424 (14121123)
  479320.37 3775540.02 8.55283 (14121123) 479370.37
3775540.02 8.69504 (14022508)
  479420.37 3775540.02 8.72224 (14022508) 479470.37
3775540.02 8.43748 (14022508)
  479520.37 3775540.02 8.48795 (16111019) 479570.37
3775540.02 8.60948 (16111019)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ONSITE   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        479620.37   3775540.02   8.44997 (16111019)   479670.37
3775540.02   10.07090 (15101020)
        479720.37   3775540.02   12.58223 (15101020)   479770.37
3775540.02   13.04215 (16092620)
        479820.37   3775540.02   12.67344 (16092620)   479870.37
3775540.02   13.20646 (13100921)
        479920.37   3775540.02   12.90885 (15090206)   479970.37
3775540.02   13.60247 (16111018)
        478861.36   3774619.36   23.81522 (16092018)   478791.49
3774517.73   24.84451 (16021808)
        478789.65   3774444.30   26.28191 (15091504)   478748.80
3774449.81   24.41153 (15091504)
        479103.48   3774681.38   27.32651 (15122518)   479094.51
3774696.20   26.15448 (15122518)
        479077.34   3774696.98   26.29053 (16021806)   479101.53
3774731.70   25.09727 (15122518)
        479782.92   3774151.51   42.70945 (13101617)   479890.06
3774169.23   32.39866 (13101617)
        479890.06   3774137.17   32.42685 (13062919)   479913.68
3774138.01   30.71133 (13062919)
        479911.15   3774168.38   30.83907 (13101617)   479885.84
3774064.62   32.44228 (15020417)
        480398.50   3774179.13   22.63143 (12082920)   480448.50
3774179.13   21.84182 (13081621)
        480498.50   3774179.13   20.92876 (13081621)   479998.50
3774229.13   35.08218 (12092320)
        480048.50   3774229.13   32.70539 (12092320)   480098.50
3774229.13   31.19468 (12092320)
        480148.50   3774229.13   28.82580 (12092320)   480198.50
3774229.13   27.03708 (15101421)
        480248.50   3774229.13   25.95529 (15101421)   480298.50
3774229.13   24.87276 (12082821)
        480348.50   3774229.13   23.78811 (12082821)   480398.50
3774229.13   23.27403 (12082821)

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        480448.50   3774229.13       21.92766  (12081624)                480498.50
3774229.13       21.49564  (12081624)
        479998.50   3774279.13       34.55088  (15070506)                480048.50
3774279.13       32.10843  (16062906)
        480098.50   3774279.13       30.97186  (16062906)                480148.50
3774279.13       28.73441  (13083021)
        480198.50   3774279.13       27.48602  (13083021)                480248.50
3774279.13       25.62745  (15062921)
        480298.50   3774279.13       24.45974  (13081821)                480348.50
3774279.13       23.61144  (16072724)
        480398.50   3774279.13       22.84889  (16072724)                480448.50
3774279.13       21.57673  (14082821)
        480498.50   3774279.13       20.87962  (14082821)                479998.50
3774329.13       33.84833  (14061006)
        480048.50   3774329.13       31.70689  (14061006)                480098.50
3774329.13       30.13199  (15072422)
        480148.50   3774329.13       28.01856  (12081023)                480198.50
3774329.13       27.28471  (15062706)
        480248.50   3774329.13       25.59030  (16062906)                480298.50
3774329.13       24.57604  (16062906)
        480348.50   3774329.13       23.31145  (16062906)                480398.50
3774329.13       22.20422  (14070423)
        480448.50   3774329.13       21.40203  (12092122)                480498.50
3774329.13       20.49830  (12092122)
        479998.50   3774379.13       33.12182  (16062023)                480048.50
3774379.13       30.95417  (16111417)
        480098.50   3774379.13       29.44845  (16111417)                480148.50
3774379.13       27.22221  (14061006)
        480198.50   3774379.13       26.71816  (15090822)                480248.50
3774379.13       24.90382  (14061006)
        480298.50   3774379.13       23.82710  (12071302)                480348.50
3774379.13       22.85025  (12082921)
        480398.50   3774379.13       21.63558  (12082921)                480448.50
3774379.13       21.20671  (12071820)
        480498.50   3774379.13       20.35360  (12071820)                479998.50
3774429.13       32.06603  (13081722)
        480048.50   3774429.13       30.67622  (13081722)                480098.50
3774429.13       28.66789  (16062023)
        480148.50   3774429.13       27.20404  (16062023)                480198.50
3774429.13       25.90171  (16111417)
        480248.50   3774429.13       24.34045  (15090822)                480298.50
3774429.13       23.73798  (15090822)
        480348.50   3774429.13       22.70795  (15090822)                480398.50
3774429.13       21.88091  (15090822)
        480448.50   3774429.13       20.80787  (13070105)                480498.50
3774429.13       19.95124  (16081622)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479998.50	3774479.13	31.00667	(13090921)	480048.50	3774479.13	29.75071	(13062306)
480098.50	3774479.13	27.88444	(13081722)	480148.50	3774479.13	26.70828	(13081722)
480198.50	3774479.13	25.28410	(15062801)	480248.50	3774479.13	23.80212	(16062023)
480298.50	3774479.13	23.26874	(14110719)	480348.50	3774479.13	21.95369	(16072822)
480398.50	3774479.13	21.73523	(15090822)	480448.50	3774479.13	20.78275	(15090822)
480498.50	3774479.13	20.13882	(15090822)	479998.50	3774529.13	30.58605	(16072821)
480048.50	3774529.13	28.97140	(15082722)	480098.50	3774529.13	26.92818	(13062306)
480148.50	3774529.13	26.21221	(13062306)	480198.50	3774529.13	24.67430	(13081722)
480248.50	3774529.13	23.35151	(13081722)	480298.50	3774529.13	22.92000	(12091522)
480348.50	3774529.13	21.53709	(16072622)	480398.50	3774529.13	21.28396	(16072622)
480448.50	3774529.13	20.17787	(16072822)	480498.50	3774529.13	20.01851	(16072822)
479998.50	3774579.13	29.67634	(15072106)	480048.50	3774579.13	27.69966	(16072821)
480098.50	3774579.13	27.28737	(15082722)	480148.50	3774579.13	25.65035	(14083022)
480198.50	3774579.13	23.96015	(13062306)	480248.50	3774579.13	23.46537	(15101218)
480298.50	3774579.13	22.18839	(12080223)	480348.50			

3774579.13 21.88118 (12091522)
480398.50 3774579.13 20.96647 (12091522) 480448.50
3774579.13 20.17233 (16072622)
480498.50 3774579.13 19.69275 (16072622) 479998.50
3774629.13 28.37571 (14092320)
480048.50 3774629.13 27.00744 (15072106) 480098.50
3774629.13 25.97143 (16061920)
480148.50 3774629.13 24.66891 (16072821) 480198.50
3774629.13 24.00322 (15082722)
480248.50 3774629.13 22.98498 (14083022) 480298.50
3774629.13 22.55139 (15101218)
480348.50 3774629.13 21.47739 (15101218) 480398.50
3774629.13 20.15387 (12080223)
480448.50 3774629.13 20.11628 (12091522) 480498.50
3774629.13 19.67924 (12091522)
479998.50 3774679.13 27.76713 (12071219) 480048.50
3774679.13 25.88452 (14092320)
480098.50 3774679.13 25.33355 (15072106) 480148.50
3774679.13 23.85054 (15072106)
480198.50 3774679.13 23.33274 (12071222) 480248.50
3774679.13 22.41151 (16072221)
480298.50 3774679.13 22.23124 (16072221) 480348.50
3774679.13 20.93234 (13090224)
480398.50 3774679.13 20.83216 (15101218) 480448.50
3774679.13 19.78974 (15101218)
480498.50 3774679.13 19.45385 (14073102) 479998.50
3774729.13 26.75377 (12071219)
480048.50 3774729.13 25.88834 (12071219) 480098.50
3774729.13 24.16383 (14092320)
480148.50 3774729.13 23.49008 (15072106) 480198.50
3774729.13 22.70540 (15072106)
480248.50 3774729.13 22.36201 (12071222) 480298.50
3774729.13 21.44144 (12071222)
480348.50 3774729.13 20.84098 (16072221) 480398.50
3774729.13 20.34280 (16072221)
480448.50 3774729.13 19.88552 (13090224) 480498.50
3774729.13 19.24899 (15101218)
479998.50 3774779.13 24.42364 (12071219) 480048.50
3774779.13 25.00515 (12071219)
480098.50 3774779.13 23.74379 (12071219) 480148.50
3774779.13 22.49851 (14092320)
480198.50 3774779.13 22.11762 (14092320) 480248.50
3774779.13 21.56282 (15072106)
480298.50 3774779.13 20.48964 (14100822) 480348.50
3774779.13 20.76573 (12071222)
480398.50 3774779.13 19.75398 (16072221) 480448.50
3774779.13 19.60787 (16072221)
480498.50 3774779.13 18.83209 (12091420) 479998.50
3774829.13 23.47763 (13063021)
480048.50 3774829.13 23.23751 (15090821) 480098.50

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        480148.50   3774829.13   22.16911 (12071219)   480198.50
3774829.13   21.14267 (16112008)
        480248.50   3774829.13   20.87035 (14092320)   480298.50
3774829.13   19.88399 (15072106)
        480348.50   3774829.13   19.75006 (14042023)   480398.50
3774829.13   19.17888 (12071222)
        480448.50   3774829.13   19.25068 (12071222)   480498.50
3774829.13   18.58917 (16072221)
        479998.50   3774879.13   22.92816 (13063021)   480048.50
3774879.13   22.24073 (13063021)
        480098.50   3774879.13   21.22597 (15090821)   480148.50
3774879.13   21.19705 (12071219)
        480198.50   3774879.13   20.66662 (12071219)   480248.50
3774879.13   20.11581 (16072303)
        480298.50   3774879.13   19.29098 (14092320)   480348.50
3774879.13   19.14782 (14040821)
        480398.50   3774879.13   18.85441 (14042023)   480448.50
3774879.13   18.39720 (12071222)
        480498.50   3774879.13   18.18659 (12071222)   479998.50
3774929.13   21.64946 (14101507)
        480048.50   3774929.13   21.33641 (13063021)   480098.50
3774929.13   20.34296 (13063021)
        480148.50   3774929.13   20.49690 (15090821)   480198.50
3774929.13   19.69117 (12071219)

480248.50 3774929.13 19.55015 (16062824) 480298.50 3774929.13 18.73467 (16072303)
480348.50 3774929.13 18.59216 (14040821) 480398.50 3774929.13 18.61690 (14040821)
480448.50 3774929.13 17.82387 (12071323) 480498.50 3774929.13 17.82694 (14042023)
479998.50 3774979.13 20.57988 (16090403) 480048.50 3774979.13 20.16643 (14101507)
480098.50 3774979.13 19.63359 (13063021) 480148.50 3774979.13 19.42757 (12081701)
480198.50 3774979.13 18.92513 (15090821) 480248.50 3774979.13 18.61003 (15090821)
480298.50 3774979.13 18.19137 (16062824) 480348.50 3774979.13 18.21753 (16072303)
480398.50 3774979.13 17.96392 (16101122) 480448.50 3774979.13 17.46910 (14040821)
480498.50 3774979.13 17.42003 (12071323) 479998.50 3775029.13 19.42487 (15031120)
480048.50 3775029.13 19.23661 (16090403) 480098.50 3775029.13 18.59692 (14101507)
480148.50 3775029.13 18.86185 (12081701) 480198.50 3775029.13 17.93540 (12081701)
480248.50 3775029.13 18.27898 (15090821) 480298.50 3775029.13 17.35675 (15090821)
480348.50 3775029.13 17.74994 (15081622) 480398.50 3775029.13 17.65449 (16072303)
480448.50 3775029.13 16.87143 (13082824) 480498.50 3775029.13 16.99113 (14040821)
479998.50 3775079.13 18.63834 (15031120) 480048.50 3775079.13 18.17475 (16090403)
480098.50 3775079.13 17.74940 (16090403) 480148.50 3775079.13 17.99797 (14071423)
480198.50 3775079.13 17.49629 (12081701) 480248.50 3775079.13 16.65644 (15090821)
480298.50 3775079.13 17.05504 (15090821) 480348.50 3775079.13 16.83845 (15081622)
480398.50 3775079.13 17.31859 (15081622) 480448.50 3775079.13 17.01594 (15081622)
480498.50 3775079.13 16.82501 (13082824) 479998.50 3775129.13 17.72464 (15062006)
480048.50 3775129.13 17.56372 (15031120) 480098.50 3775129.13 16.94360 (16090403)
480148.50 3775129.13 17.17588 (15032521) 480198.50 3775129.13 16.78489 (14071423)
480248.50 3775129.13 16.37187 (12081701) 480298.50 3775129.13 16.23027 (12081701)
480348.50 3775129.13 16.71541 (15090821) 480398.50 3775129.13 16.43975 (16091921)
480448.50 3775129.13 16.71765 (15081622) 480498.50 3775129.13 16.50147 (15081622)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480298.50	3775179.13	16.51207	(12081701)	480348.50	3775179.13	16.32208	(16091921)
480398.50	3775179.13	16.20494	(16091921)	480448.50	3775179.13	16.43416	(16091921)
480498.50	3775179.13	16.51910	(15081622)	479998.50	3775229.13	17.01043	(15062006)
480048.50	3775229.13	16.19308	(15062006)	480098.50	3775229.13	16.29105	(15031120)
480148.50	3775229.13	15.92061	(16072103)	480198.50	3775229.13	15.52555	(16102719)
480248.50	3775229.13	15.72097	(16072601)	480298.50	3775229.13	15.95502	(12081701)
480348.50	3775229.13	16.22796	(12081701)	480398.50	3775229.13	16.10669	(16091921)
480448.50	3775229.13	16.31942	(16091921)	480498.50	3775229.13	15.87583	(16091921)
479998.50	3775279.13	16.11423	(15062006)	480048.50	3775279.13	15.81068	(15062006)
480098.50	3775279.13	15.40857	(15080323)	480148.50			

3775279.13 15.27401 (15031120)
480198.50 3775279.13 15.07333 (16072103) 480248.50
3775279.13 15.19693 (16102719)
480298.50 3775279.13 15.25844 (16072601) 480348.50
3775279.13 15.76660 (12081701)
480398.50 3775279.13 15.78778 (13020223) 480448.50
3775279.13 15.81453 (16091921)
480498.50 3775279.13 15.82063 (16091921) 479998.50
3775329.13 15.04522 (15062006)
480048.50 3775329.13 15.18349 (15062006) 480098.50
3775329.13 15.19777 (15062006)
480148.50 3775329.13 14.57220 (15031120) 480198.50
3775329.13 14.93567 (16072103)
480248.50 3775329.13 14.55943 (16072103) 480298.50
3775329.13 15.32663 (16102719)
480348.50 3775329.13 15.26149 (16072601) 480398.50
3775329.13 15.75774 (15102518)
480448.50 3775329.13 15.43212 (13020223) 480498.50
3775329.13 15.47355 (16091921)
479998.50 3775379.13 14.29478 (13070304) 480048.50
3775379.13 14.54552 (15062006)
480098.50 3775379.13 14.81023 (15062006) 480148.50
3775379.13 14.06911 (15062006)
480198.50 3775379.13 14.34698 (15031120) 480248.50
3775379.13 14.79310 (16072103)
480298.50 3775379.13 15.18374 (16102719) 480348.50
3775379.13 15.22538 (16102719)
480398.50 3775379.13 15.36728 (14110620) 480448.50
3775379.13 15.49009 (15102518)
480498.50 3775379.13 15.42114 (15092423) 479998.50
3775429.13 13.90811 (16111018)
480048.50 3775429.13 14.17166 (13070304) 480098.50
3775429.13 14.19227 (15062006)
480148.50 3775429.13 14.15124 (15062006) 480198.50
3775429.13 13.98449 (15080323)
480248.50 3775429.13 14.67793 (16072103) 480298.50
3775429.13 14.87532 (16072103)
480348.50 3775429.13 15.32597 (15082701) 480398.50
3775429.13 15.53914 (15082521)
480448.50 3775429.13 15.15803 (14110620) 480498.50
3775429.13 15.28464 (15102518)
479998.50 3775479.13 13.91477 (16111018) 480048.50
3775479.13 13.65510 (13070304)
480098.50 3775479.13 13.45092 (15060920) 480148.50
3775479.13 13.86745 (15062006)
480198.50 3775479.13 14.22276 (15080323) 480248.50
3775479.13 14.56531 (14092506)
480298.50 3775479.13 15.13715 (13090824) 480348.50
3775479.13 15.17228 (14073003)
480398.50 3775479.13 15.50331 (15082701) 480448.50

3775479.13 15.22650 (15082521)
 480498.50 3775479.13 15.34270 (15102518) 480254.72
3774120.37 26.11126 (12101317)
 480287.52 3774147.62 25.27942 (12101317) 480349.09
3774140.55 23.93350 (14072421)
 480381.90 3774044.67 23.28703 (12080921) 480443.97
3774003.79 21.95772 (15082922)
 480407.64 3774005.81 22.71925 (12081021) 480390.48
3774008.33 23.02564 (12081021)
 480543.03 3774446.66 19.50722 (16081622) 480593.03
3774446.66 19.33274 (16081622)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480643.03	3774446.66	18.50020	(15092522)	480693.03	3774446.66	18.18902	(15092522)
480743.03	3774446.66	17.43778	(15092522)	480793.03	3774446.66	17.34249	(14082722)
480843.03	3774446.66	16.73581	(14082722)	480893.03	3774446.66	16.37037	(14082722)
480943.03	3774446.66	16.03628	(14082722)	480993.03	3774446.66	15.39308	(14082722)
481043.03	3774446.66	15.04992	(14082722)	481093.03	3774446.66	14.67955	(13090823)
481143.03	3774446.66	14.48692	(13090823)	481193.03	3774446.66	14.28028	(12071324)
481243.03	3774446.66	14.11231	(12071324)	481293.03	3774446.66	14.01345	(12071324)

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        481343.03   3774446.66       13.91130  (12071324)               481393.03
3774446.66       13.52246  (13082322)
        481443.03   3774446.66       13.40151  (13082322)               480543.03
3774496.66       19.43223  (15090822)
        480593.03   3774496.66       18.98355  (15090822)               480643.03
3774496.66       18.08160  (15062223)
        480693.03   3774496.66       17.87431  (16081622)               480743.03
3774496.66       17.49957  (15082519)
        480793.03   3774496.66       17.22432  (15082519)               480843.03
3774496.66       16.46489  (15082519)
        480893.03   3774496.66       16.00240  (15082519)               480943.03
3774496.66       15.66674  (13071123)
        480993.03   3774496.66       15.49687  (14082724)               481043.03
3774496.66       15.10711  (14082722)
        481093.03   3774496.66       14.69336  (14082722)               481143.03
3774496.66       14.58096  (12091921)
        481193.03   3774496.66       14.48687  (12091921)               481243.03
3774496.66       14.01564  (12091921)
        481293.03   3774496.66       13.86295  (13090823)               481343.03
3774496.66       13.79169  (12090424)
        481393.03   3774496.66       13.73248  (12090424)               481443.03
3774496.66       13.33591  (12071324)
        481493.03   3774496.66       13.27194  (12071324)               480543.03
3774546.66       19.42264  (16072822)
        480593.03   3774546.66       18.73078  (16072822)               480643.03
3774546.66       18.00648  (15090822)
        480693.03   3774546.66       17.83374  (13070921)               480743.03
3774546.66       17.27194  (13070921)
        480793.03   3774546.66       16.82582  (14060124)               480843.03
3774546.66       16.11883  (15082519)
        480893.03   3774546.66       16.30297  (15082519)               480943.03
3774546.66       15.79510  (15082519)
        480993.03   3774546.66       15.71167  (15082519)               481043.03
3774546.66       15.11934  (15082519)
        481093.03   3774546.66       14.96966  (15082519)               481143.03
3774546.66       14.59022  (13071123)
        481193.03   3774546.66       14.32774  (14082724)               481243.03
3774546.66       14.26577  (14082724)
        481293.03   3774546.66       14.06071  (14082724)               481343.03
3774546.66       13.71238  (12091921)
        481393.03   3774546.66       13.60698  (12091921)               481443.03
3774546.66       13.33556  (12090424)
        481493.03   3774546.66       13.17122  (12090424)               481543.03
3774546.66       12.85407  (12090424)
        480543.03   3774596.66       19.38498  (12081122)               480593.03
3774596.66       18.50914  (12081122)
        480643.03   3774596.66       18.29189  (16072822)               480693.03
3774596.66       17.52310  (16072822)
        480743.03   3774596.66       17.28982  (13070921)               480793.03
3774596.66       16.73403  (13070921)
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        480843.03   3774596.66       16.51881  (13070921)                480893.03
3774596.66       15.93416  (13070921)
        480943.03   3774596.66       15.54625  (13111017)                480993.03
3774596.66       15.26557  (15082519)
        481043.03   3774596.66       15.22490  (15082519)                481093.03
3774596.66       15.03423  (15082519)
        481143.03   3774596.66       14.97915  (15082519)                481193.03
3774596.66       14.65498  (15082519)
        481243.03   3774596.66       14.34943  (15082519)                481293.03
3774596.66       14.07110  (15082519)
        481343.03   3774596.66       13.80250  (15080522)                481393.03
3774596.66       13.53595  (14082724)
        481443.03   3774596.66       13.39244  (14082724)                481493.03
3774596.66       13.07420  (14082724)
        481543.03   3774596.66       12.87078  (14082724)                480543.03
3774646.66       19.00222  (13070124)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 192
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        480593.03   3774646.66       18.47039  (15100820)                480643.03
3774646.66       18.21148  (12081122)
        480693.03   3774646.66       17.43644  (12081122)                480743.03
3774646.66       17.14992  (12081122)
        480793.03   3774646.66       16.48122  (13071323)                480843.03
3774646.66       16.36420  (16083004)
        480893.03   3774646.66       15.86072  (16083004)                480943.03
3774646.66       15.67163  (14091601)
        480993.03   3774646.66       15.14986  (14091601)                481043.03
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3774646.66 15.11029 (14091601)
481093.03 3774646.66 14.93818 (14091601) 481143.03
3774646.66 14.40568 (13111017)
481193.03 3774646.66 14.51856 (15082519) 481243.03
3774646.66 14.24546 (15082519)
481293.03 3774646.66 14.20240 (15082519) 481343.03
3774646.66 13.94796 (15082519)
481393.03 3774646.66 13.71743 (15082519) 481443.03
3774646.66 13.49643 (15082519)
481493.03 3774646.66 13.17568 (12081424) 481543.03
3774646.66 12.95084 (12081424)
480543.03 3774696.66 18.54519 (13090822) 480593.03
3774696.66 18.45722 (13090822)
480643.03 3774696.66 17.74570 (13070124) 480693.03
3774696.66 17.55452 (15100820)
480743.03 3774696.66 17.04199 (12081122) 480793.03
3774696.66 16.49239 (12081122)
480843.03 3774696.66 16.24156 (12081122) 480893.03
3774696.66 16.14140 (12081705)
480943.03 3774696.66 15.58970 (16083004) 480993.03
3774696.66 15.41393 (16083004)
481043.03 3774696.66 15.04615 (14091601) 481093.03
3774696.66 14.93944 (14091601)
481143.03 3774696.66 14.83537 (14091601) 481193.03
3774696.66 14.41272 (14091601)
481243.03 3774696.66 14.23119 (14091601) 481293.03
3774696.66 13.67475 (16060301)
481343.03 3774696.66 13.69676 (16060301) 481393.03
3774696.66 13.71243 (15082519)
481443.03 3774696.66 13.43359 (15082519) 481493.03
3774696.66 13.37773 (15082519)
481543.03 3774696.66 13.19146 (15082519) 480543.03
3774746.66 18.85975 (12081522)
480593.03 3774746.66 18.25172 (14090823) 480643.03
3774746.66 17.73878 (14073102)
480693.03 3774746.66 17.40407 (13090822) 480743.03
3774746.66 16.73579 (13090822)
480793.03 3774746.66 16.61889 (15100820) 480843.03
3774746.66 16.05306 (15100820)
480893.03 3774746.66 15.97111 (12081122) 480943.03
3774746.66 15.65772 (12081705)
480993.03 3774746.66 15.48759 (12081705) 481043.03
3774746.66 15.39113 (12081705)
481093.03 3774746.66 14.76609 (16083004) 481143.03
3774746.66 14.58036 (12082922)
481193.03 3774746.66 14.41714 (12082922) 481243.03
3774746.66 14.23382 (14091601)
481293.03 3774746.66 14.13597 (14091601) 481343.03
3774746.66 13.87820 (14091601)
481393.03 3774746.66 13.55398 (14091601) 481443.03

3774746.66   13.27922 (12052203)
        481493.03   3774746.66   13.13490 (16060301)   481543.03
3774746.66   12.97383 (16060301)
        480543.03   3774796.66   18.47559 (13090224)   480593.03
3774796.66   18.15632 (13090224)
        480643.03   3774796.66   17.75350 (12081522)   480693.03
3774796.66   17.57292 (14090823)
        480743.03   3774796.66   17.05159 (14073102)   480793.03
3774796.66   16.35451 (13090822)
        480843.03   3774796.66   16.08445 (13070303)   480893.03
3774796.66   15.64172 (13070323)
        480943.03   3774796.66   15.68365 (13070323)   480993.03
3774796.66   15.44579 (16091721)
        481043.03   3774796.66   15.11032 (12081705)   481093.03
3774796.66   15.18724 (12081705)
        481143.03   3774796.66   14.72215 (12081705)   481193.03
3774796.66   14.55055 (12081705)
        481243.03   3774796.66   13.97259 (16083004)   481293.03
3774796.66   13.90662 (12082922)
        481343.03   3774796.66   13.85381 (12082922)   481393.03
3774796.66   13.55366 (14091601)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        481443.03   3774796.66   13.47036 (14091601)   481493.03
3774796.66   13.33025 (14091601)
        481543.03   3774796.66   13.11152 (14091601)   480543.03
3774846.66   18.23336 (16072221)

480593.03 3774846.66 17.97640 (12091420) 480643.03
3774846.66 17.46662 (13090224)
480693.03 3774846.66 17.52937 (12081522) 480743.03
3774846.66 16.93538 (13090323)
480793.03 3774846.66 16.12455 (14090823) 480843.03
3774846.66 15.96443 (14073102)
480893.03 3774846.66 15.42933 (14073102) 480943.03
3774846.66 15.35426 (13070303)
480993.03 3774846.66 15.27402 (13110718) 481043.03
3774846.66 15.03981 (13070323)
481093.03 3774846.66 14.80250 (13070323) 481143.03
3774846.66 14.69435 (15072523)
481193.03 3774846.66 14.41560 (12081705) 481243.03
3774846.66 14.41252 (12081705)
481293.03 3774846.66 14.12805 (12081705) 481343.03
3774846.66 13.82323 (12081705)
481393.03 3774846.66 13.55100 (16103004) 481443.03
3774846.66 13.50152 (12082922)
481493.03 3774846.66 13.24269 (12082922) 481543.03
3774846.66 13.09505 (14091601)
480543.03 3774896.66 17.87355 (12071222) 480593.03
3774896.66 17.58090 (12071222)
480643.03 3774896.66 17.46616 (16072221) 480693.03
3774896.66 17.43321 (15100821)
480743.03 3774896.66 16.79749 (15100821) 480793.03
3774896.66 16.19195 (12081522)
480843.03 3774896.66 15.77166 (13090323) 480893.03
3774896.66 15.60781 (13090323)
480943.03 3774896.66 15.32173 (12090521) 480993.03
3774896.66 15.16497 (12090521)
481043.03 3774896.66 14.94407 (13110718) 481093.03
3774896.66 14.74430 (13110718)
481143.03 3774896.66 14.46444 (13110718) 481193.03
3774896.66 14.26619 (13070323)
481243.03 3774896.66 14.01738 (15072523) 481293.03
3774896.66 13.98374 (12081705)
481343.03 3774896.66 13.90746 (12081705) 481393.03
3774896.66 13.76712 (12081705)
481443.03 3774896.66 13.53652 (12081705) 481493.03
3774896.66 13.25299 (16103004)
481543.03 3774896.66 13.09317 (12082922) 480543.03
3774946.66 17.62844 (14081423)
480593.03 3774946.66 17.31606 (12071222) 480643.03
3774946.66 17.25805 (12081324)
480693.03 3774946.66 16.83979 (16103007) 480743.03
3774946.66 16.53397 (15100821)
480793.03 3774946.66 16.03403 (15100821) 480843.03
3774946.66 15.36677 (14070702)
480893.03 3774946.66 15.39271 (13090323) 480943.03
3774946.66 15.60997 (13090323)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***
INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 ,
L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 ,
L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 ,
L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480993.03	3774946.66	15.49118	(13090323)	481043.03	3774946.66	15.15540	(12090521)
481093.03	3774946.66	14.83319	(12090521)	481143.03	3774946.66	14.46748	(13071601)
481193.03	3774946.66	14.24840	(13110718)	481243.03	3774946.66	14.13331	(13110718)
481293.03	3774946.66	13.86988	(13070323)	481343.03	3774946.66	13.71242	(12083005)
481393.03	3774946.66	13.60784	(12083005)	481443.03	3774946.66	13.54485	(12081705)
481493.03	3774946.66	13.49494	(12081705)	481543.03	3774946.66	13.16541	(12081705)
478170.37	3774040.02	4.93638	(16101924)	478220.37	3774040.02	5.11231	(16101924)
478270.37	3774040.02	5.32657	(16101924)	478320.37	3774040.02	5.52657	(16101924)
478170.37	3774090.02	4.95192	(16101924)	478220.37	3774090.02	5.14134	(16101924)
478270.37	3774090.02	5.37202	(16101924)	478320.37	3774090.02	5.59115	(16101924)
478170.37	3774140.02	5.08757	(15012917)	478220.37			

3774140.02 5.27679 (15012917)
478270.37 3774140.02 5.50734 (15012917) 478320.37
3774140.02 5.72593 (15012917)
478170.37 3774190.02 5.15008 (15012917) 478220.37
3774190.02 5.35537 (15012917)
478270.37 3774190.02 5.58563 (15012917) 478320.37
3774190.02 5.81382 (15012917)
478170.37 3774240.02 5.08450 (15012917) 478220.37
3774240.02 5.28523 (15012917)
478270.37 3774240.02 5.51030 (15012917) 478320.37
3774240.02 5.73298 (15012917)
478370.37 3774240.02 5.98556 (15012917) 478420.37
3774240.02 6.27111 (15012917)
478470.37 3774240.02 6.55787 (15012917) 478520.37
3774240.02 6.91356 (15012917)
478570.37 3774240.02 7.26178 (15012917) 479170.37
3774240.02 20.86039 (16100705)
479220.37 3774240.02 25.32988 (16100705) 479270.37
3774240.02 32.59011 (16100705)
479320.37 3774240.02 44.98467 (14090307) 479370.37
3774240.02 49.25507 (13112916)
479420.37 3774240.02 56.42685 (13112916) 479470.37
3774240.02 56.41585 (13062606)
479520.37 3774240.02 59.08541 (14041207) 479570.37
3774240.02 60.38548 (14041207)
479620.37 3774240.02 60.29752 (14041207) 479670.37
3774240.02 61.28671 (14041207)
479720.37 3774240.02 60.86517 (12041107) 479770.37
3774240.02 61.16588 (12041107)
479820.37 3774240.02 61.12593 (12041107) 479870.37
3774240.02 60.91530 (12041107)
479920.37 3774240.02 60.45460 (12041107) 479970.37
3774240.02 59.99094 (12041107)
478170.37 3774290.02 5.00893 (12012506) 478220.37
3774290.02 5.20700 (12012506)
478270.37 3774290.02 5.42783 (12012506) 478320.37
3774290.02 5.64728 (12012506)
478370.37 3774290.02 5.89450 (12012506) 478420.37
3774290.02 6.17216 (12012506)
478470.37 3774290.02 6.45199 (15012908) 478520.37
3774290.02 6.80001 (15012908)
478570.37 3774290.02 7.14454 (15012908) 479170.37
3774290.02 18.57675 (13112720)
479220.37 3774290.02 21.02997 (13112720) 479270.37
3774290.02 23.09929 (13112720)
479320.37 3774290.02 24.02187 (16111017) 479370.37
3774290.02 24.99961 (16111017)
479420.37 3774290.02 25.66175 (15120221) 479470.37
3774290.02 26.84654 (13112916)
479520.37 3774290.02 27.23152 (13112916) 479570.37

3774290.02   27.87785 (13062606)
        479620.37   3774290.02   28.47036 (13062606)   479670.37
3774290.02   28.89222 (13062606)
        479720.37   3774290.02   29.19741 (13062606)   479770.37
3774290.02   29.42426 (13062606)
        479820.37   3774290.02   29.57005 (13062606)   479870.37
3774290.02   29.61723 (13062606)
        479920.37   3774290.02   29.48239 (13062606)   479970.37
3774290.02   29.04996 (13062606)
        478170.37   3774340.02   4.96149 (15012908)   478220.37
3774340.02   5.15146 (15012908)
        478270.37   3774340.02   5.37611 (16100705)   478320.37
3774340.02   5.59976 (16100705)
        478370.37   3774340.02   5.85086 (16100705)   478420.37
3774340.02   6.13177 (16100705)
        478470.37   3774340.02   6.43183 (16100705)   478520.37
3774340.02   6.75417 (16100705)
        478570.37   3774340.02   7.08529 (16100705)   479170.37
3774340.02   15.92294 (13112720)
        479220.37   3774340.02   17.03306 (16111017)   479270.37
3774340.02   17.71093 (16111017)

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1   ***

INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
         L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
         L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
         L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
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- -

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        479320.37   3774340.02       18.06482  (16111017)                479370.37
3774340.02       18.56689  (16111017)
        479420.37   3774340.02       18.92893  (16111017)                479470.37
3774340.02       19.13054  (16111017)
        479520.37   3774340.02       19.45552  (16111017)                479570.37
3774340.02       19.51024  (16111017)
        479620.37   3774340.02       19.73783  (16111020)                479670.37
3774340.02       19.78469  (16111020)
        479720.37   3774340.02       19.86667  (16111020)                479770.37
3774340.02       19.88058  (13062606)
        479820.37   3774340.02       20.04505  (13062606)                479870.37
3774340.02       20.13258  (13062606)
        479920.37   3774340.02       20.12577  (13062606)                479970.37
3774340.02       20.00116  (13062606)
        478170.37   3774390.02        4.95131  (16100705)                478220.37
3774390.02        5.13976  (16100705)
        478270.37   3774390.02        5.34809  (16100705)                478320.37
3774390.02        5.55080  (16100705)
        478370.37   3774390.02        5.79681  (16100705)                478420.37
3774390.02        6.02696  (16100705)
        478470.37   3774390.02        6.29497  (16100705)                478520.37
3774390.02        6.56776  (16100705)
        478570.37   3774390.02        6.84530  (16100705)                479170.37
3774390.02       13.73143  (16111017)
        479220.37   3774390.02       14.17799  (16111017)                479270.37
3774390.02       14.41968  (16111017)
        479320.37   3774390.02       14.61420  (16111017)                479370.37
3774390.02       14.93909  (16111017)
        479420.37   3774390.02       15.10164  (16111017)                479470.37
3774390.02       15.34064  (16111017)
        479520.37   3774390.02       15.39739  (16111017)                479570.37
3774390.02       15.52576  (16111020)
        479620.37   3774390.02       15.63245  (16111020)                479670.37
3774390.02       15.67009  (16111020)
        479720.37   3774390.02       15.61105  (16111020)                479770.37
3774390.02       15.44897  (16111020)
        479820.37   3774390.02       15.29271  (16100301)                479870.37
3774390.02       15.26273  (13062606)
        479920.37   3774390.02       15.30566  (13062606)                479970.37
3774390.02       15.28656  (13062606)
        478170.37   3774440.02        4.84134  (16100705)                478220.37
3774440.02        5.00798  (16100705)
        478270.37   3774440.02        5.18642  (16100705)                478320.37
3774440.02        5.37699  (14022723)
        478370.37   3774440.02        5.60823  (14022723)                478420.37
3774440.02        5.82397  (14022723)
        478470.37   3774440.02        6.07041  (14022723)                478520.37
3774440.02        6.35675  (13112720)
        478570.37   3774440.02        6.68467  (13112720)                478620.37
3774440.02        7.06105  (13112720)
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        478670.37   3774440.02        7.43967  (13112720)               478720.37
3774440.02        7.82198  (13112720)
        478770.37   3774440.02        8.21567  (13112720)               478820.37
3774440.02        8.67413  (13112720)
        479320.37   3774440.02       12.24024  (16111017)               479370.37
3774440.02       12.42762  (16111017)
        479420.37   3774440.02       12.54957  (13052302)               479470.37
3774440.02       12.73608  (13052302)
        479520.37   3774440.02       12.79270  (13052302)               479570.37
3774440.02       12.85605  (16100301)
        479620.37   3774440.02       12.93875  (16100301)               479670.37
3774440.02       12.97622  (16100301)
        479720.37   3774440.02       12.93231  (16100301)               479770.37
3774440.02       12.83605  (15091504)
        479820.37   3774440.02       12.75871  (15091504)               479870.37
3774440.02       12.62189  (14091620)
        479920.37   3774440.02       12.47627  (14091620)               479970.37
3774440.02       12.34030  (13062606)
        478170.37   3774490.02        4.71745  (14022723)               478220.37
3774490.02        4.88936  (14022723)
        478270.37   3774490.02        5.07368  (13112720)               478320.37
3774490.02        5.29192  (13112720)
        478370.37   3774490.02        5.54970  (13112720)               478420.37
3774490.02        5.79004  (13112720)
        478470.37   3774490.02        6.06250  (13112720)               478520.37
3774490.02        6.33395  (13112720)
        478570.37   3774490.02        6.60296  (13112720)               478620.37
3774490.02        6.91575  (13112720)
        478670.37   3774490.02        7.19430  (13112720)               478720.37
3774490.02        7.47039  (13112720)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 196
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1   ***
                                    INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                  L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                  L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                  L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478749.26	3774487.73	7.65078	(13112720)	478820.37	3774490.02	8.13184	(14011323)
479370.37	3774490.02	10.73533	(13052302)	479420.37	3774490.02	10.82114	(13052302)
479470.37	3774490.02	10.94841	(16100301)	479520.37	3774490.02	11.01142	(16100301)
479570.37	3774490.02	11.11983	(15091504)	479620.37	3774490.02	11.14317	(15091504)
479670.37	3774490.02	11.19128	(15091504)	479720.37	3774490.02	11.13819	(15091504)
479770.37	3774490.02	11.03908	(15091504)	479820.37	3774490.02	10.98295	(15091504)
479870.37	3774490.02	10.82989	(15091504)	479920.37	3774490.02	10.71462	(15091504)
479970.37	3774490.02	10.54865	(14091620)	478170.37	3774540.02	4.71980	(13112720)
478220.37	3774540.02	4.91229	(13112720)	478270.37	3774540.02	5.09470	(13112720)
478320.37	3774540.02	5.28218	(13112720)	478370.37	3774540.02	5.50293	(13112720)
478420.37	3774540.02	5.70010	(13112720)	478470.37	3774540.02	5.92103	(13112720)
478520.37	3774540.02	6.13253	(13112720)	478570.37	3774540.02	6.33242	(13112720)
478620.37	3774540.02	6.57647	(14011323)	478670.37	3774540.02	6.84187	(14011323)
478720.37	3774540.02	7.10684	(16111017)	478764.86	3774550.58	7.37643	(16111017)
478807.52	3774552.41	7.64412	(16111017)	479370.37	3774540.02	9.48234	(15091504)
479420.37	3774540.02	9.59005	(15091504)	479470.37	3774540.02	9.70078	(15091504)
479520.37	3774540.02	9.74622	(15091504)	479570.37	3774540.02	9.82885	(15091504)
479620.37	3774540.02	9.81825	(15091504)	479670.37	3774540.02	9.83430	(15091504)
479720.37	3774540.02	9.76143	(15091504)	479770.37	3774540.02	9.69096	(15091504)
479820.37	3774540.02	9.60607	(15091504)	479870.37	3774540.02	9.47270	(15091504)
479920.37	3774540.02	9.36375	(15091504)	479970.37			

3774540.02   9.25247 (15121608)
        478170.37   3774590.02   4.69662 (13112720)   478220.37
3774590.02   4.85201 (13112720)
        478270.37   3774590.02   5.00173 (13112720)   478320.37
3774590.02   5.16964 (13112720)
        478370.37   3774590.02   5.32878 (13112720)   478420.37
3774590.02   5.47804 (13112720)
        478470.37   3774590.02   5.68970 (14011323)   478520.37
3774590.02   5.89410 (14011323)
        478570.37   3774590.02   6.12523 (14011323)   478620.37
3774590.02   6.38847 (16111017)
        478670.37   3774590.02   6.65118 (16111017)   478720.37
3774590.02   6.90374 (16111017)
        478776.33   3774602.87   7.08096 (16111017)   478804.31
3774604.25   7.16659 (16111017)
        479370.37   3774590.02   8.59007 (15091504)   479420.37
3774590.02   8.69297 (15091504)
        479470.37   3774590.02   8.72649 (15091504)   479520.37
3774590.02   8.74310 (15091504)
        479570.37   3774590.02   8.78147 (15091504)   479620.37
3774590.02   8.74677 (15091504)
        479670.37   3774590.02   8.73907 (15091504)   479720.37
3774590.02   8.66130 (15091504)
        479770.37   3774590.02   8.61319 (15091504)   479820.37
3774590.02   8.53451 (16021808)
        479870.37   3774590.02   8.45987 (16021808)   479920.37
3774590.02   8.39908 (16021808)
        479970.37   3774590.02   8.32101 (16021808)   478170.37
3774640.02   4.57945 (13112720)
        478220.37   3774640.02   4.69701 (13112720)   478270.37
3774640.02   4.82024 (14011323)
        478320.37   3774640.02   4.99820 (14011323)   478370.37
3774640.02   5.16711 (14011323)
        478420.37   3774640.02   5.32545 (14011323)   478470.37
3774640.02   5.55497 (16111017)
        478520.37   3774640.02   5.76999 (16111017)   478570.37
3774640.02   6.00968 (16111017)
        478620.37   3774640.02   6.20666 (16111017)   478670.37
3774640.02   6.39667 (16111017)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                   INCLUDING SOURCE(S):   L0002519   , L0002520

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, L0002521    , L0002522    , L0002523    ,
                L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        478720.37   3774640.02        6.58195  (16111017)               478770.37
3774640.02        6.71494  (16111017)
        478820.37   3774640.02        6.83086  (16111017)               478870.37
3774640.02        6.97957  (13052302)
        479370.37   3774640.02        7.83581  (15091504)               479420.37
3774640.02        7.90185  (15091504)
        479470.37   3774640.02        7.90620  (15091504)               479520.37
3774640.02        7.92401  (15091504)
        479570.37   3774640.02        7.90633  (15091504)               479620.37
3774640.02        7.89067  (15091504)
        479670.37   3774640.02        7.84404  (16021808)               479720.37
3774640.02        7.82554  (16021808)
        479770.37   3774640.02        7.80513  (16021808)               479820.37
3774640.02        7.74435  (16021808)
        479870.37   3774640.02        7.69166  (16021808)               479920.37
3774640.02        7.61753  (14091624)
        479970.37   3774640.02        7.56336  (14091624)               478170.37
3774690.02        4.46099  (14011323)
        478220.37   3774690.02        4.59096  (14011323)               478270.37
3774690.02        4.71849  (14011323)
        478320.37   3774690.02        4.90009  (16111017)               478370.37
3774690.02        5.08203  (16111017)
        478420.37   3774690.02        5.25569  (16111017)               478470.37
3774690.02        5.44959  (16111017)
        478520.37   3774690.02        5.60679  (16111017)               478570.37
3774690.02        5.78111  (16111017)
        478620.37   3774690.02        5.90941  (16111017)               478670.37
3774690.02        6.04967  (16111017)
        478720.37   3774690.02        6.13576  (16111017)               478770.37
3774690.02        6.26566  (13052302)
        478820.37   3774690.02        6.42631  (13052302)               478868.71
3774700.63        6.41572  (13052302)
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        478861.34   3774671.12        6.67842  (13052302)               479026.61
3774722.40        6.54820  (15091504)
        479059.05   3774696.65        6.83627  (15091504)               479113.74
3774695.09        6.92501  (15091504)
        479370.37   3774690.02        7.20821  (15091504)               479420.37
3774690.02        7.21681  (15091504)
        479470.37   3774690.02        7.19944  (15091504)               479520.37
3774690.02        7.20579  (15091504)
        479570.37   3774690.02        7.19320  (16021808)               479620.37
3774690.02        7.21576  (16021808)
        479670.37   3774690.02        7.19149  (16021808)               479720.37
3774690.02        7.17788  (16021808)
        479770.37   3774690.02        7.14180  (16021808)               479820.37
3774690.02        7.08585  (16021808)
        479870.37   3774690.02        7.03740  (14091624)               479920.37
3774690.02        6.97691  (14091624)
        479970.37   3774690.02        6.94529  (14091624)               478170.37
3774740.02        4.38233  (16111017)
        478220.37   3774740.02        4.53120  (16111017)               478270.37
3774740.02        4.67753  (16111017)
        478320.37   3774740.02        4.84218  (16111017)               478370.37
3774740.02        4.97802  (16111017)
        478420.37   3774740.02        5.10863  (16111017)               478470.37
3774740.02        5.24772  (16111017)
        478520.37   3774740.02        5.35117  (16111017)               478570.37
3774740.02        5.46696  (16111017)
        478620.37   3774740.02        5.53740  (16111017)               478670.37
3774740.02        5.70371  (13052302)
        478720.37   3774740.02        5.81969  (13052302)               478770.37
3774740.02        5.93011  (13052302)
        478820.37   3774740.02        6.00398  (13052302)               478862.96
3774730.27        6.14743  (13052302)
        479020.37   3774740.02        6.39258  (15091504)               479070.37
3774740.02        6.47855  (15091504)
        479120.37   3774740.02        6.50859  (15091504)               479370.37
3774740.02        6.63528  (15091504)
        479420.37   3774740.02        6.61237  (15091504)               479470.37
3774740.02        6.62098  (16021808)
        479520.37   3774740.02        6.65720  (16021808)               479570.37
3774740.02        6.66241  (16021808)
        479620.37   3774740.02        6.66488  (16021808)               479670.37
3774740.02        6.63319  (16021808)
        479720.37   3774740.02        6.62504  (16021808)               479770.37
3774740.02        6.56309  (16021808)
        479820.37   3774740.02        6.54010  (14091624)               479870.37
3774740.02        6.50710  (14091624)
        479920.37   3774740.02        6.45021  (14091624)               479970.37
3774740.02        6.42264  (14091624)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***       01/09/23
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*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1   ***
INCLUDING SOURCE(S):   L0002519   , L0002520   , L0002521   , L0002522   , L0002523   ,
L0002524   , L0002525   , L0002526   , L0002527   , L0002528   , L0002529   , L0002530   , L0002531   ,
L0002532   , L0002533   , L0002534   , L0002535   , L0002536   , L0002537   , L0002538   , L0002539   ,
L0002540   , L0002541   , L0002542   , L0002543   , L0002544   , L0002545   , L0002546   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478170.37	3774790.02	4.34591	(16111017)	478220.37	3774790.02	4.46321	(16111017)
478270.37	3774790.02	4.57484	(16111017)	478320.37	3774790.02	4.70070	(16111017)
478370.37	3774790.02	4.79578	(16111017)	478420.37	3774790.02	4.90362	(16111017)
478470.37	3774790.02	4.97548	(16111017)	478520.37	3774790.02	5.06311	(13052302)
478570.37	3774790.02	5.20350	(13052302)	478620.37	3774790.02	5.30753	(13052302)
478670.37	3774790.02	5.41784	(13052302)	478720.37	3774790.02	5.48002	(13052302)
478770.37	3774790.02	5.57438	(16100301)	478820.37	3774790.02	5.67567	(16100301)
478870.37	3774790.02	5.79810	(15091504)	478920.37	3774790.02	5.90045	(15091504)
478970.37	3774790.02	5.96936	(15091504)	479020.37	3774790.02	6.03721	(15091504)
479070.37	3774790.02	6.06656	(15091504)	479120.37	3774790.02	6.07626	(15091504)
479370.37	3774790.02	6.15569	(16021808)	479420.37	3774790.02	6.16942	(16021808)
479470.37	3774790.02	6.20436	(16021808)	479520.37			

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3774790.02        6.19827  (16021808)
        479570.37   3774790.02        6.20723  (16021808)                479620.37
3774790.02        6.18430  (16021808)
        479670.37   3774790.02        6.14688  (16021808)                479720.37
3774790.02        6.13714  (14091624)
        479770.37   3774790.02        6.10214  (14091624)                479820.37
3774790.02        6.08299  (14091624)
        479870.37   3774790.02        6.04958  (14091624)                479920.37
3774790.02        6.00476  (14091624)
        479970.37   3774790.02        5.96555  (14091624)                477970.37
3774840.02        3.81242  (16111017)
        478020.37   3774840.02        3.93375  (16111017)                478070.37
3774840.02        4.04172  (16111017)
        478120.37   3774840.02        4.15136  (16111017)                478170.37
3774840.02        4.24395  (16111017)
        478220.37   3774840.02        4.32971  (16111017)                478270.37
3774840.02        4.42792  (16111017)
        478320.37   3774840.02        4.49692  (16111017)                478370.37
3774840.02        4.55509  (16111017)
        478420.37   3774840.02        4.67023  (13052302)                478470.37
3774840.02        4.77775  (13052302)
        478520.37   3774840.02        4.87860  (13052302)                478570.37
3774840.02        4.97043  (13052302)
        478620.37   3774840.02        5.04552  (13052302)                478670.37
3774840.02        5.11658  (16100301)
        478720.37   3774840.02        5.20994  (16100301)                478770.37
3774840.02        5.30938  (15091504)
        478820.37   3774840.02        5.43556  (15091504)                478870.37
3774840.02        5.53990  (15091504)
        478920.37   3774840.02        5.59868  (15091504)                478970.37
3774840.02        5.63327  (15091504)
        479020.37   3774840.02        5.67878  (15091504)                479070.37
3774840.02        5.68235  (15091504)
        479120.37   3774840.02        5.68693  (15091504)                479170.37
3774840.02        5.69340  (15091504)
        479220.37   3774840.02        5.67930  (16021808)                479270.37
3774840.02        5.73029  (16021808)
        479320.37   3774840.02        5.74668  (16021808)                479370.37
3774840.02        5.78412  (16021808)
        479420.37   3774840.02        5.79546  (16021808)                479470.37
3774840.02        5.80639  (16021808)
        479520.37   3774840.02        5.79876  (16021808)                479570.37
3774840.02        5.79232  (16021808)
        479620.37   3774840.02        5.75863  (16021808)                479670.37
3774840.02        5.75061  (14091624)
        479720.37   3774840.02        5.74027  (14091624)                479770.37
3774840.02        5.70412  (14091624)
        479820.37   3774840.02        5.68305  (14091624)                479870.37
3774840.02        5.64843  (14091624)
        479920.37   3774840.02        5.60690  (14091624)                479970.37
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3774840.02   5.56265 (14091624)
        477970.37   3774890.02   3.77662 (16111017)   478020.37
3774890.02   3.85847 (16111017)
        478070.37   3774890.02   3.94129 (16111017)   478120.37
3774890.02   4.02375 (16111017)
        478170.37   3774890.02   4.08807 (16111017)   478220.37
3774890.02   4.14423 (16111017)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                  INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
                 L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
                 L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
                 L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478270.37   3774890.02   4.21204 (13052302)   478320.37
3774890.02   4.31686 (13052302)
        478370.37   3774890.02   4.41113 (13052302)   478420.37
3774890.02   4.51418 (13052302)
        478470.37   3774890.02   4.58344 (13052302)   478520.37
3774890.02   4.64541 (13052302)
        478570.37   3774890.02   4.71648 (16100301)   478620.37
3774890.02   4.82307 (16100301)
        478670.37   3774890.02   4.90260 (16100301)   478720.37
3774890.02   4.99970 (15091504)
        478770.37   3774890.02   5.12260 (15091504)   478820.37
3774890.02   5.20435 (15091504)
        478870.37   3774890.02   5.26977 (15091504)   478920.37
3774890.02   5.29783 (15091504)

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        478970.37   3774890.02        5.30855  (15091504)               479020.37
3774890.02        5.33320  (15091504)
        479070.37   3774890.02        5.32193  (15091504)               479120.37
3774890.02        5.32163  (16021808)
        479170.37   3774890.02        5.36261  (16021808)               479220.37
3774890.02        5.37898  (16021808)
        479270.37   3774890.02        5.41699  (16021808)               479320.37
3774890.02        5.42241  (16021808)
        479370.37   3774890.02        5.44684  (16021808)               479420.37
3774890.02        5.44702  (16021808)
        479470.37   3774890.02        5.44709  (16021808)               479520.37
3774890.02        5.43966  (16021808)
        479570.37   3774890.02        5.41570  (16021808)               479620.37
3774890.02        5.40366  (14091624)
        479670.37   3774890.02        5.40331  (14091624)               479720.37
3774890.02        5.38911  (14091624)
        479770.37   3774890.02        5.35154  (14091624)               479820.37
3774890.02        5.32807  (14091624)
        479870.37   3774890.02        5.29155  (14091624)               479920.37
3774890.02        5.24858  (14091624)
        479970.37   3774890.02        5.20228  (14091624)               477970.37
3774940.02        3.67777  (16111017)
        478020.37   3774940.02        3.73681  (16111017)               478070.37
3774940.02        3.79536  (16111017)
        478120.37   3774940.02        3.85219  (16111017)               478170.37
3774940.02        3.91767  (13052302)
        478220.37   3774940.02        4.00934  (13052302)               478270.37
3774940.02        4.11040  (13052302)
        478320.37   3774940.02        4.18388  (13052302)               478370.37
3774940.02        4.24591  (13052302)
        478420.37   3774940.02        4.31514  (13052302)               478470.37
3774940.02        4.36647  (16100301)
        478520.37   3774940.02        4.46247  (16100301)               478570.37
3774940.02        4.54810  (16100301)
        478620.37   3774940.02        4.63189  (15091504)               478670.37
3774940.02        4.74461  (15091504)
        478720.37   3774940.02        4.82758  (15091504)               478770.37
3774940.02        4.90604  (15091504)
        478820.37   3774940.02        4.95356  (15091504)               478870.37
3774940.02        4.99708  (15091504)
        478920.37   3774940.02        5.00315  (15091504)               478970.37
3774940.02        4.99658  (15091504)
        479020.37   3774940.02        5.00511  (15091504)               479070.37
3774940.02        5.03673  (16021808)
        479120.37   3774940.02        5.06623  (16021808)               479170.37
3774940.02        5.09545  (16021808)
        479220.37   3774940.02        5.10216  (16021808)               479270.37
3774940.02        5.12858  (16021808)
        479320.37   3774940.02        5.12437  (16021808)               479370.37
3774940.02        5.13757  (16021808)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***
INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 ,
L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 ,
L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 ,
L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479420.37	3774940.02	5.12831	(16021808)	479470.37	3774940.02	5.11922	(16021808)
479520.37	3774940.02	5.10972	(14091624)	479570.37	3774940.02	5.11007	(14091624)
479620.37	3774940.02	5.09760	(14091624)	479670.37	3774940.02	5.09235	(14091624)
479720.37	3774940.02	5.07447	(14091624)	479770.37	3774940.02	5.03883	(14091624)
479820.37	3774940.02	5.00882	(14091624)	479870.37	3774940.02	4.96983	(14091624)
479920.37	3774940.02	4.92466	(14091624)	479970.37	3774940.02	4.89353	(16092018)
477970.37	3774990.02	3.54017	(16111017)	478020.37	3774990.02	3.57781	(16111017)
478070.37	3774990.02	3.66409	(13052302)	478120.37	3774990.02	3.75513	(13052302)
478170.37	3774990.02	3.82880	(13052302)	478220.37	3774990.02	3.89385	(13052302)
478270.37	3774990.02	3.96655	(13052302)	478320.37	3774990.02	4.01202	(13052302)
478370.37	3774990.02	4.05865	(16100301)	478420.37			

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3774990.02        4.16125  (16100301)
        478470.37   3774990.02        4.23306  (16100301)                478520.37
3774990.02        4.29635  (16100301)
        478570.37   3774990.02        4.40314  (15091504)                478620.37
3774990.02        4.50681  (15091504)
        478670.37   3774990.02        4.58365  (15091504)                478720.37
3774990.02        4.63404  (15091504)
        478770.37   3774990.02        4.68107  (15091504)                478820.37
3774990.02        4.70362  (15091504)
        478870.37   3774990.02        4.71718  (15091504)                478920.37
3774990.02        4.71691  (15091504)
        478970.37   3774990.02        4.73519  (16021808)                479020.37
3774990.02        4.78975  (16021808)
        479070.37   3774990.02        4.80906  (16021808)                479120.37
3774990.02        4.82753  (16021808)
        479170.37   3774990.02        4.84651  (16021808)                479220.37
3774990.02        4.84455  (16021808)
        479270.37   3774990.02        4.86064  (16021808)                479320.37
3774990.02        4.84799  (16021808)
        479370.37   3774990.02        4.85144  (16021808)                479420.37
3774990.02        4.83410  (16021808)
        479470.37   3774990.02        4.83593  (14091624)                479520.37
3774990.02        4.84283  (14091624)
        479570.37   3774990.02        4.83752  (14091624)                479620.37
3774990.02        4.82058  (14091624)
        479670.37   3774990.02        4.81078  (14091624)                479720.37
3774990.02        4.78926  (14091624)
        479770.37   3774990.02        4.74992  (14091624)                479820.37
3774990.02        4.71824  (14091624)
        479870.37   3774990.02        4.69054  (16092018)                479920.37
3774990.02        4.66411  (16092018)
        479970.37   3774990.02        4.63228  (16092018)                477970.37
3775040.02        3.44300  (13052302)
        478020.37   3775040.02        3.51456  (13052302)                478070.37
3775040.02        3.58483  (13052302)
        478120.37   3775040.02        3.65254  (13052302)                478170.37
3775040.02        3.70250  (13052302)
        478220.37   3775040.02        3.74339  (13052302)                478270.37
3775040.02        3.80184  (16100301)
        478320.37   3775040.02        3.88289  (16100301)                478370.37
3775040.02        3.95216  (16100301)
        478420.37   3775040.02        4.02541  (16100301)                478470.37
3775040.02        4.09524  (15091504)
        478520.37   3775040.02        4.19431  (15091504)                478570.37
3775040.02        4.28276  (15091504)
        478620.37   3775040.02        4.35479  (15091504)                478670.37
3775040.02        4.40268  (15091504)
        478720.37   3775040.02        4.42767  (15091504)                478770.37
3775040.02        4.45184  (15091504)
        478820.37   3775040.02        4.45561  (15091504)                478870.37
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3775040.02   4.47899 (13050502)
        478920.37   3775040.02   4.51443 (16021808)   478970.37
3775040.02   4.54533 (16021808)
        479020.37   3775040.02   4.58495 (16021808)   479070.37
3775040.02   4.59368 (16021808)
        479120.37   3775040.02   4.60277 (16021808)   479170.37
3775040.02   4.61265 (16021808)
        479220.37   3775040.02   4.60291 (16021808)   479270.37
3775040.02   4.60977 (16021808)
        479320.37   3775040.02   4.58971 (16021808)   479370.37
3775040.02   4.58562 (14091624)
        479420.37   3775040.02   4.59167 (14091624)   479470.37
3775040.02   4.59767 (14091624)
        479520.37   3775040.02   4.58686 (14091624)   479570.37
3775040.02   4.58697 (14091624)
        479620.37   3775040.02   4.56731 (14091624)   479670.37
3775040.02   4.55177 (14091624)
        479720.37   3775040.02   4.52792 (14091624)   479770.37
3775040.02   4.49561 (16092018)
        479820.37   3775040.02   4.48127 (16092018)   479870.37
3775040.02   4.45490 (16092018)
        479920.37   3775040.02   4.42722 (16092018)   479970.37
3775040.02   4.39377 (16092018)
        477970.37   3775090.02   3.37113 (13052302)   478020.37
3775090.02   3.42278 (13052302)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
                  L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
                  L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
                  L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478070.37	3775090.02	3.47225	(13052302)	478120.37	3775090.02	3.51846	(13052302)
478170.37	3775090.02	3.55861	(16100301)	478220.37	3775090.02	3.63469	(16100301)
478270.37	3775090.02	3.71562	(16100301)	478320.37	3775090.02	3.77148	(16100301)
478370.37	3775090.02	3.81779	(15091504)	478420.37	3775090.02	3.92832	(15091504)
478470.37	3775090.02	4.00742	(15091504)	478520.37	3775090.02	4.07776	(15091504)
478570.37	3775090.02	4.13843	(15091504)	478620.37	3775090.02	4.18455	(15091504)
478670.37	3775090.02	4.20945	(15091504)	478720.37	3775090.02	4.21478	(15091504)
478770.37	3775090.02	4.21845	(13050502)	478820.37	3775090.02	4.24752	(16021808)
478870.37	3775090.02	4.31340	(16021808)	478920.37	3775090.02	4.34397	(16021808)
478970.37	3775090.02	4.36129	(16021808)	479020.37	3775090.02	4.38893	(16021808)
479070.37	3775090.02	4.38886	(16021808)	479120.37	3775090.02	4.38973	(16021808)
479170.37	3775090.02	4.39144	(16021808)	479220.37	3775090.02	4.37469	(16021808)
479270.37	3775090.02	4.37328	(16021808)	479320.37	3775090.02	4.36158	(14091624)
479370.37	3775090.02	4.37726	(14091624)	479420.37	3775090.02	4.37268	(14091624)
479470.37	3775090.02	4.37765	(14091624)	479520.37	3775090.02	4.36219	(14091624)
479570.37	3775090.02	4.34769	(14091624)	479620.37	3775090.02	4.33356	(14091624)
479670.37	3775090.02	4.31139	(16092018)	479720.37	3775090.02	4.31086	(16092018)
479770.37	3775090.02	4.29074	(16092018)	479820.37	3775090.02	4.26685	(16092018)
479870.37	3775090.02	4.23424	(16092018)	479920.37	3775090.02	4.20941	(16092018)
479970.37	3775090.02	4.18191	(13090718)	477970.37	3775140.02	3.26950	(13052302)
478020.37	3775140.02	3.30271	(13052302)	478070.37	3775140.02	3.34568	(16100301)
478120.37	3775140.02	3.42552	(16100301)	478170.37	3775140.02	3.48877	(16100301)
478220.37	3775140.02	3.54267	(16100301)	478270.37	3775140.02	3.60066	(16100301)

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        478320.37   3775140.02        3.67564  (15091504)               478370.37
3775140.02        3.75582  (15091504)
        478420.37   3775140.02        3.83995  (15091504)               478470.37
3775140.02        3.89383  (15091504)
        478520.37   3775140.02        3.93984  (15091504)               478570.37
3775140.02        3.97754  (15091504)
        478620.37   3775140.02        4.00274  (15091504)               478670.37
3775140.02        4.00950  (15091504)
        478720.37   3775140.02        4.02576  (13050502)               478770.37
3775140.02        4.04806  (16021808)
        478820.37   3775140.02        4.11154  (16021808)               478870.37
3775140.02        4.15128  (16021808)
        478920.37   3775140.02        4.17651  (16021808)               478970.37
3775140.02        4.18308  (16021808)
        479020.37   3775140.02        4.20073  (16021808)               479070.37
3775140.02        4.19309  (16021808)
        479120.37   3775140.02        4.18663  (16021808)               479170.37
3775140.02        4.18094  (16021808)
        479220.37   3775140.02        4.15786  (16021808)               479270.37
3775140.02        4.17502  (14091624)
        479320.37   3775140.02        4.17346  (14091624)               479370.37
3775140.02        4.18300  (14091624)
        479420.37   3775140.02        4.17229  (14091624)               479470.37
3775140.02        4.16583  (14091624)
        479520.37   3775140.02        4.15320  (14091624)               479570.37
3775140.02        4.13534  (16092018)
        479620.37   3775140.02        4.13618  (16092018)               479670.37
3775140.02        4.11994  (16092018)
        479720.37   3775140.02        4.11651  (16092018)               479770.37
3775140.02        4.09480  (16092018)
        479820.37   3775140.02        4.06891  (16092018)               479870.37
3775140.02        4.03401  (16092018)
        479920.37   3775140.02        4.00926  (13090718)               479970.37
3775140.02        4.05300  (16111018)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                    PAGE 202
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1   ***
                                    INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                  L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                  L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
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L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
477970.37	3775190.02	3.15765	(16100301)	478020.37	3775190.02	3.22460	(16100301)
478070.37	3775190.02	3.28858	(16100301)	478120.37	3775190.02	3.34850	(16100301)
478170.37	3775190.02	3.39183	(16100301)	478220.37	3775190.02	3.44628	(15091504)
478270.37	3775190.02	3.54127	(15091504)	478320.37	3775190.02	3.61051	(15091504)
478370.37	3775190.02	3.66770	(15091504)	478420.37	3775190.02	3.72864	(15091504)
478470.37	3775190.02	3.76110	(15091504)	478520.37	3775190.02	3.78686	(15091504)
478570.37	3775190.02	3.80582	(15091504)	478620.37	3775190.02	3.82705	(13050502)
478670.37	3775190.02	3.85044	(13050502)	478720.37	3775190.02	3.88367	(16021808)
478770.37	3775190.02	3.92641	(16021808)	478820.37	3775190.02	3.97270	(16021808)
478870.37	3775190.02	3.98907	(16021808)	478920.37	3775190.02	4.01259	(16021808)
478970.37	3775190.02	4.01036	(16021808)	479020.37	3775190.02	4.01942	(16021808)
479070.37	3775190.02	4.00511	(16021808)	479120.37	3775190.02	3.99202	(16021808)
479170.37	3775190.02	3.98908	(14091624)	479220.37	3775190.02	3.99048	(14091624)
479270.37	3775190.02	4.00322	(14091624)	479320.37	3775190.02	3.99674	(14091624)
479370.37	3775190.02	4.00070	(14091624)	479420.37	3775190.02	3.98551	(14091624)
479470.37	3775190.02	3.96606	(14091624)	479520.37	3775190.02	3.97164	(16092018)
479570.37	3775190.02	3.96029	(16092018)	479620.37	3775190.02	3.96110	(16092018)
479670.37	3775190.02	3.94270	(16092018)	479720.37	3775190.02	3.93635	(16092018)
479770.37	3775190.02	3.91279	(16092018)	479820.37			

3775190.02 3.88466 (16092018)
  479870.37 3775190.02 3.85409 (16092018) 479920.37
3775190.02 3.85457 (13090718)
  479970.37 3775190.02 3.89935 (16111018) 477970.37
3775240.02 3.11056 (16100301)
  478020.37 3775240.02 3.16009 (16100301) 478070.37
3775240.02 3.20615 (16100301)
  478120.37 3775240.02 3.25135 (15091504) 478170.37
3775240.02 3.33038 (15091504)
  478220.37 3775240.02 3.39984 (15091504) 478270.37
3775240.02 3.47352 (15091504)
  478320.37 3775240.02 3.52206 (15091504) 478370.37
3775240.02 3.55912 (15091504)
  478420.37 3775240.02 3.60012 (15091504) 478470.37
3775240.02 3.61468 (15091504)
  478520.37 3775240.02 3.62383 (15091504) 478570.37
3775240.02 3.65788 (13050502)
  478620.37 3775240.02 3.67463 (13050502) 478670.37
3775240.02 3.73207 (16021808)
  478720.37 3775240.02 3.77325 (16021808) 478770.37
3775240.02 3.80048 (16021808)
  478820.37 3775240.02 3.83288 (16021808) 478870.37
3775240.02 3.83857 (16021808)
  478920.37 3775240.02 3.85232 (16021808) 478970.37
3775240.02 3.84266 (16021808)
  479020.37 3775240.02 3.84416 (16021808) 479070.37
3775240.02 3.82386 (16021808)
  479120.37 3775240.02 3.82654 (14091624) 479170.37
3775240.02 3.83684 (14091624)
  479220.37 3775240.02 3.83345 (14091624) 479270.37
3775240.02 3.84072 (14091624)
  479320.37 3775240.02 3.82974 (14091624) 479370.37
3775240.02 3.82855 (14091624)
  479420.37 3775240.02 3.81632 (16092018) 479470.37
3775240.02 3.82138 (16092018)
  479520.37 3775240.02 3.81419 (16092018) 479570.37
3775240.02 3.80460 (16092018)
  479620.37 3775240.02 3.79803 (16092018) 479670.37
3775240.02 3.78535 (16092018)
  479720.37 3775240.02 3.76808 (16092018) 479770.37
3775240.02 3.74242 (16092018)
  479820.37 3775240.02 3.71432 (13090718) 479870.37
3775240.02 3.70368 (13090718)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***

INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 , L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479920.37	3775240.02	3.71283	(13090718)	479970.37	3775240.02	3.69454	(13090718)
477970.37	3775290.02	3.02916	(16100301)	478020.37	3775290.02	3.07332	(16100301)
478070.37	3775290.02	3.14214	(15091504)	478120.37	3775290.02	3.21954	(15091504)
478170.37	3775290.02	3.27982	(15091504)	478220.37	3775290.02	3.33042	(15091504)
478270.37	3775290.02	3.38489	(15091504)	478320.37	3775290.02	3.41526	(15091504)
478370.37	3775290.02	3.43507	(15091504)	478420.37	3775290.02	3.45916	(15091504)
478470.37	3775290.02	3.47406	(13050502)	478520.37	3775290.02	3.50146	(13050502)
478570.37	3775290.02	3.52342	(16021808)	478620.37	3775290.02	3.57653	(16021808)
478670.37	3775290.02	3.63122	(16021808)	478720.37	3775290.02	3.65757	(16021808)
478770.37	3775290.02	3.67223	(16021808)	478820.37	3775290.02	3.68842	(16021808)
478870.37	3775290.02	3.69015	(16021808)	478920.37	3775290.02	3.69558	(16021808)
478970.37	3775290.02	3.67948	(16021808)	479020.37	3775290.02	3.67576	(14091624)
479070.37	3775290.02	3.68136	(14091624)	479120.37	3775290.02	3.68665	(14091624)
479170.37	3775290.02	3.69181	(14091624)	479220.37	3775290.02	3.68400	(14091624)

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        479270.37   3775290.02        3.68621  (14091624)               479320.37
3775290.02        3.67103  (14091624)
        479370.37   3775290.02        3.68091  (16092018)               479420.37
3775290.02        3.67495  (16092018)
        479470.37   3775290.02        3.67937  (16092018)               479520.37
3775290.02        3.66676  (16092018)
        479570.37   3775290.02        3.66433  (16092018)               479620.37
3775290.02        3.64512  (16092018)
        479670.37   3775290.02        3.63162  (16092018)               479720.37
3775290.02        3.60621  (16092018)
        479770.37   3775290.02        3.58178  (16092018)               479820.37
3775290.02        3.58413  (13090718)
        479870.37   3775290.02        3.57349  (13090718)               479920.37
3775290.02        3.56018  (13090718)
        479970.37   3775290.02        3.56016  (13090718)               477970.37
3775340.02        2.96164  (15091504)
        478020.37   3775340.02        3.04101  (15091504)               478070.37
3775340.02        3.10112  (15091504)
        478120.37   3775340.02        3.16550  (15091504)               478170.37
3775340.02        3.20861  (15091504)
        478220.37   3775340.02        3.24229  (15091504)               478270.37
3775340.02        3.27817  (15091504)
        478320.37   3775340.02        3.29449  (15091504)               478370.37
3775340.02        3.29973  (15091504)
        478420.37   3775340.02        3.34146  (13050502)               478470.37
3775340.02        3.36004  (13050502)
        478520.37   3775340.02        3.38783  (16021808)               478570.37
3775340.02        3.44739  (16021808)
        478620.37   3775340.02        3.48452  (16021808)               478670.37
3775340.02        3.52324  (16021808)
        478720.37   3775340.02        3.53857  (16021808)               478770.37
3775340.02        3.54294  (16021808)
        478820.37   3775340.02        3.55442  (16021808)               478870.37
3775340.02        3.54396  (16021808)
        478920.37   3775340.02        3.54215  (16021808)               478970.37
3775340.02        3.53289  (14091624)
        479020.37   3775340.02        3.55163  (14091624)               479070.37
3775340.02        3.55211  (14091624)
        479120.37   3775340.02        3.55258  (14091624)               479170.37
3775340.02        3.55300  (14091624)
        479220.37   3775340.02        3.54105  (14091624)               479270.37
3775340.02        3.54511  (16092018)
        479320.37   3775340.02        3.54309  (16092018)               479370.37
3775340.02        3.55055  (16092018)
        479420.37   3775340.02        3.54184  (16092018)               479470.37
3775340.02        3.54301  (16092018)
        479520.37   3775340.02        3.52790  (16092018)               479570.37
3775340.02        3.52241  (16092018)
        479620.37   3775340.02        3.50080  (16092018)               479670.37
3775340.02        3.48443  (16092018)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***
INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 , L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479720.37	3775340.02	3.45661	(16092018)	479770.37	3775340.02	3.45081	(13090718)
479820.37	3775340.02	3.46388	(13090718)	479870.37	3775340.02	3.45330	(13090718)
479920.37	3775340.02	3.44030	(13090718)	479970.37	3775340.02	3.44030	(13090718)
477970.37	3775390.02	2.93643	(15091504)	478020.37	3775390.02	3.00008	(15091504)
478070.37	3775390.02	3.04452	(15091504)	478120.37	3775390.02	3.09283	(15091504)
478170.37	3775390.02	3.12052	(15091504)	478220.37	3775390.02	3.13932	(15091504)
478270.37	3775390.02	3.14949	(15091504)	478320.37	3775390.02	3.17952	(13050502)
478370.37	3775390.02	3.20430	(13050502)	478420.37	3775390.02	3.23233	(13050502)
478470.37	3775390.02	3.26611	(16021808)	478520.37	3775390.02	3.31420	(16021808)
478570.37	3775390.02	3.36232	(16021808)	478620.37	3775390.02	3.38605	(16021808)
478670.37	3775390.02	3.41159	(16021808)	478720.37			

3775390.02 3.41763 (16021808)
478770.37 3775390.02 3.41344 (16021808) 478820.37
3775390.02 3.41682 (16021808)
478870.37 3775390.02 3.40003 (16021808) 478920.37
3775390.02 3.41246 (14091624)
478970.37 3775390.02 3.41872 (14091624) 479020.37
3775390.02 3.43164 (14091624)
479070.37 3775390.02 3.42752 (14091624) 479120.37
3775390.02 3.42355 (14091624)
479170.37 3775390.02 3.41952 (14091624) 479220.37
3775390.02 3.41692 (16092018)
479270.37 3775390.02 3.42785 (16092018) 479320.37
3775390.02 3.42301 (16092018)
479370.37 3775390.02 3.42718 (16092018) 479420.37
3775390.02 3.41586 (16092018)
479470.37 3775390.02 3.41392 (16092018) 479520.37
3775390.02 3.39636 (16092018)
479570.37 3775390.02 3.38161 (16092018) 479620.37
3775390.02 3.36387 (16092018)
479670.37 3775390.02 3.34739 (16092018) 479720.37
3775390.02 3.32945 (13090718)
479770.37 3775390.02 3.33983 (13090718) 479820.37
3775390.02 3.33325 (13090718)
479870.37 3775390.02 3.34196 (13090718) 479920.37
3775390.02 3.32477 (15101020)
479970.37 3775390.02 3.32929 (13090718) 477970.37
3775440.02 2.89185 (15091504)
478020.37 3775440.02 2.93736 (15091504) 478070.37
3775440.02 2.97114 (15091504)
478120.37 3775440.02 2.99340 (15091504) 478170.37
3775440.02 3.01904 (15091504)
478220.37 3775440.02 3.02511 (13050502) 478270.37
3775440.02 3.05522 (13050502)
478320.37 3775440.02 3.08648 (13050502) 478370.37
3775440.02 3.10004 (13050502)
478420.37 3775440.02 3.14443 (16021808) 478470.37
3775440.02 3.20165 (16021808)
478520.37 3775440.02 3.23468 (16021808) 478570.37
3775440.02 3.27050 (16021808)
478620.37 3775440.02 3.28298 (16021808) 478670.37
3775440.02 3.29122 (16021808)
478720.37 3775440.02 3.29568 (16021808) 478770.37
3775440.02 3.28428 (16021808)
478820.37 3775440.02 3.28063 (16021808) 478870.37
3775440.02 3.29962 (14091624)
478920.37 3775440.02 3.30670 (14091624) 478970.37
3775440.02 3.30761 (14091624)
479020.37 3775440.02 3.31531 (14091624) 479070.37
3775440.02 3.30698 (14091624)
479120.37 3775440.02 3.29951 (16092018) 479170.37

3775440.02   3.31005 (16092018)
        479220.37   3775440.02   3.30875 (16092018)   479270.37
3775440.02   3.31633 (16092018)
        479320.37   3775440.02   3.30882 (16092018)   479370.37
3775440.02   3.30987 (16092018)
        479420.37   3775440.02   3.29605 (16092018)   479470.37
3775440.02   3.29107 (16092018)
        479520.37   3775440.02   3.27105 (16092018)   479570.37
3775440.02   3.25186 (16092018)
        479620.37   3775440.02   3.23307 (16092018)   479670.37
3775440.02   3.22453 (13090718)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
                L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
                L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
                L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        479720.37   3775440.02   3.22286 (13090718)   479770.37
3775440.02   3.21963 (13090718)
        479820.37   3775440.02   3.22593 (13090718)   479870.37
3775440.02   3.21355 (13090718)
        479920.37   3775440.02   3.26073 (15101020)   479970.37
3775440.02   3.22615 (13090718)
        477970.37   3775490.02   2.83108 (15091504)   478020.37
3775490.02   2.85561 (15091504)
        478070.37   3775490.02   2.88311 (15091504)   478120.37
3775490.02   2.89367 (15091504)

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        478170.37   3775490.02        2.92029  (13050502)              478220.37
3775490.02        2.94979  (13050502)
        478270.37   3775490.02        2.96705  (13050502)              478320.37
3775490.02        2.98675  (16021808)
        478370.37   3775490.02        3.04296  (16021808)              478420.37
3775490.02        3.08470  (16021808)
        478470.37   3775490.02        3.12823  (16021808)              478520.37
3775490.02        3.14922  (16021808)
        478570.37   3775490.02        3.17369  (16021808)              478620.37
3775490.02        3.17669  (16021808)
        478670.37   3775490.02        3.17647  (16021808)              478720.37
3775490.02        3.17336  (16021808)
        478770.37   3775490.02        3.15648  (14091624)              478820.37
3775490.02        3.18280  (14091624)
        478870.37   3775490.02        3.20151  (14091624)              478920.37
3775490.02        3.20308  (14091624)
        478970.37   3775490.02        3.19925  (14091624)              479020.37
3775490.02        3.20219  (14091624)
        479070.37   3775490.02        3.19458  (16092018)              479120.37
3775490.02        3.20240  (16092018)
        479170.37   3775490.02        3.20951  (16092018)              479220.37
3775490.02        3.20541  (16092018)
        479270.37   3775490.02        3.20983  (16092018)              479320.37
3775490.02        3.19976  (16092018)
        479370.37   3775490.02        3.19780  (16092018)              479420.37
3775490.02        3.18152  (16092018)
        479470.37   3775490.02        3.17356  (16092018)              479520.37
3775490.02        3.15105  (16092018)
        479570.37   3775490.02        3.12914  (16092018)              479620.37
3775490.02        3.10733  (16092018)
        479670.37   3775490.02        3.12839  (13090718)              479720.37
3775490.02        3.12307  (13090718)
        479770.37   3775490.02        3.12413  (13090718)              479820.37
3775490.02        3.12953  (13090718)
        479870.37   3775490.02        3.11325  (13090718)              479920.37
3775490.02        3.15281  (15101020)
        479970.37   3775490.02        3.32385  (15101020)              477970.37
3775540.02        2.75654  (15091504)
        478020.37   3775540.02        2.76933  (15091504)              478070.37
3775540.02        2.78032  (13050502)
        478120.37   3775540.02        2.81720  (13050502)              478170.37
3775540.02        2.84065  (13050502)
        478220.37   3775540.02        2.86419  (13050502)              478270.37
3775540.02        2.88721  (16021808)
        478320.37   3775540.02        2.93766  (16021808)              478370.37
3775540.02        2.98689  (16021808)
        478420.37   3775540.02        3.01595  (16021808)              478470.37
3775540.02        3.04476  (16021808)
        478520.37   3775540.02        3.05849  (16021808)              478570.37
3775540.02        3.07324  (16021808)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***
INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 ,
L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 ,
L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 ,
L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478620.37	3775540.02	3.06820	(16021808)	478670.37	3775540.02	3.05725	(16021808)
478720.37	3775540.02	3.05706	(14091624)	478770.37	3775540.02	3.07290	(14091624)
478820.37	3775540.02	3.09212	(14091624)	478870.37	3775540.02	3.09648	(14091624)
478920.37	3775540.02	3.10143	(14091624)	478970.37	3775540.02	3.09333	(14091624)
479020.37	3775540.02	3.09948	(16092018)	479070.37	3775540.02	3.10470	(16092018)
479120.37	3775540.02	3.10911	(16092018)	479170.37	3775540.02	3.11303	(16092018)
479220.37	3775540.02	3.10628	(16092018)	479270.37	3775540.02	3.10768	(16092018)
479320.37	3775540.02	3.09514	(16092018)	479370.37	3775540.02	3.09025	(16092018)
479420.37	3775540.02	3.07153	(16092018)	479470.37	3775540.02	3.06059	(16092018)
479520.37	3775540.02	3.03556	(16092018)	479570.37	3775540.02	3.01086	(16092018)
479620.37	3775540.02	3.00886	(13090718)	479670.37			

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3775540.02        3.03848  (13090718)
        479720.37   3775540.02        3.03375  (13090718)                479770.37
3775540.02        3.02523  (13090718)
        479820.37   3775540.02        3.04001  (13090718)                479870.37
3775540.02        3.05346  (16111019)
        479920.37   3775540.02        3.23276  (15101020)                479970.37
3775540.02        3.48320  (15101020)
        478861.36   3774619.36        7.18096  (16111017)                478791.49
3774517.73        7.70668  (16111017)
        478789.65   3774444.30        8.35246  (13112720)                478748.80
3774449.81        7.98233  (13112720)
        479103.48   3774681.38        7.04844  (15091504)                479094.51
3774696.20        6.89495  (15091504)
        479077.34   3774696.98        6.86620  (15091504)                479101.53
3774731.70        6.57333  (15091504)
        479782.92   3774151.51       45.26920  (13041207)                479890.06
3774169.23       61.71919  (13041207)
        479890.06   3774137.17       36.76909  (13041207)                479913.68
3774138.01       37.15768  (13062606)
        479911.15   3774168.38       60.50905  (13041207)                479885.84
3774064.62       20.12918  (13062606)
        480398.50   3774179.13      101.59479  (12041107)                480448.50
3774179.13      107.66017  (12041107)
        480498.50   3774179.13       92.76062  (12041107)                479998.50
3774229.13       77.26572  (12041107)
        480048.50   3774229.13       68.24814  (12041107)                480098.50
3774229.13       61.22888  (12041107)
        480148.50   3774229.13       55.08694  (12041107)                480198.50
3774229.13       50.30667  (12041107)
        480248.50   3774229.13       46.52051  (13062606)                480298.50
3774229.13       43.84640  (13062606)
        480348.50   3774229.13       41.50648  (13062606)                480398.50
3774229.13       39.41389  (13062606)
        480448.50   3774229.13       37.52856  (13062606)                480498.50
3774229.13       35.83556  (13062606)
        479998.50   3774279.13       31.81209  (13062606)                480048.50
3774279.13       30.80506  (13062606)
        480098.50   3774279.13       29.79796  (13062606)                480148.50
3774279.13       28.82848  (13062606)
        480198.50   3774279.13       27.91998  (13062606)                480248.50
3774279.13       27.05784  (13062606)
        480298.50   3774279.13       26.24808  (13062606)                480348.50
3774279.13       26.26828  (16062906)
        480398.50   3774279.13       25.73154  (16062906)                480448.50
3774279.13       24.70850  (16062506)
        480498.50   3774279.13       24.45399  (16062506)                479998.50
3774329.13       21.29367  (13062606)
        480048.50   3774329.13       20.95935  (13062606)                480098.50
3774329.13       20.58367  (13062606)
        480148.50   3774329.13       20.18900  (13062606)                480198.50
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3774329.13   19.79786 (13062606)
        480248.50   3774329.13   19.40535 (13062606)   480298.50
3774329.13   20.04662 (16062906)
        480348.50   3774329.13   19.86186 (16062906)   480398.50
3774329.13   20.59962 (16062906)
        480448.50   3774329.13   20.22411 (16062906)   480498.50
3774329.13   19.90255 (16062906)
        479998.50   3774379.13   16.06651 (13062606)   480048.50
3774379.13   15.93653 (13062606)
        480098.50   3774379.13   15.77113 (13062606)   480148.50
3774379.13   15.58036 (13062606)
        480198.50   3774379.13   15.37938 (13062606)   480248.50
3774379.13   15.16731 (13062606)
        480298.50   3774379.13   16.35842 (14061006)   480348.50
3774379.13   16.30226 (14061006)
        480398.50   3774379.13   15.92183 (15062706)   480448.50
3774379.13   16.95174 (15062706)
        480498.50   3774379.13   16.84217 (15062706)   479998.50
3774429.13   12.87644 (13062606)
        480048.50   3774429.13   12.83208 (13062606)   480098.50
3774429.13   12.75808 (13062606)
        480148.50   3774429.13   12.86482 (15061206)   480198.50
3774429.13   12.77093 (15061206)
        480248.50   3774429.13   12.52946 (16062023)   480298.50
3774429.13   13.95398 (16072822)
        480348.50   3774429.13   13.99697 (15090822)   480398.50
3774429.13   15.06952 (13070921)
        480448.50   3774429.13   14.80567 (13070921)   480498.50
3774429.13   14.67811 (15090822)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
                   L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
                   L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
                   L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479998.50	3774479.13	10.79288	(14091620)	480048.50	3774479.13	10.70143	(13062606)
480098.50	3774479.13	10.67413	(13062606)	480148.50	3774479.13	11.17498	(15061206)
480198.50	3774479.13	11.21999	(15061206)	480248.50	3774479.13	11.01283	(15061206)
480298.50	3774479.13	12.80912	(12081122)	480348.50	3774479.13	12.41964	(15061206)
480398.50	3774479.13	13.55770	(12081122)	480448.50	3774479.13	13.18652	(12081122)
480498.50	3774479.13	13.46172	(13070921)	479998.50	3774529.13	9.44615	(12071219)
480048.50	3774529.13	9.44460	(12071219)	480098.50	3774529.13	9.83355	(14071406)
480148.50	3774529.13	10.05421	(16012217)	480198.50	3774529.13	9.87882	(13062306)
480248.50	3774529.13	10.40594	(13062306)	480298.50	3774529.13	11.42946	(15101218)
480348.50	3774529.13	11.69493	(13090822)	480398.50	3774529.13	12.12969	(13090822)
480448.50	3774529.13	11.95511	(12081122)	480498.50	3774529.13	12.54733	(12081122)
479998.50	3774579.13	8.55864	(12071219)	480048.50	3774579.13	8.51469	(12071219)
480098.50	3774579.13	9.17825	(14071406)	480148.50	3774579.13	9.08966	(14071406)
480198.50	3774579.13	8.89535	(14071406)	480248.50	3774579.13	10.46977	(16072221)
480298.50	3774579.13	10.36161	(12091420)	480348.50	3774579.13	11.14503	(12091420)
480398.50	3774579.13	11.09745	(14090823)	480448.50	3774579.13	11.29992	(14090823)
480498.50	3774579.13	11.35996	(13090822)	479998.50	3774629.13	7.68898	(12071219)
480048.50	3774629.13	8.29175	(12071219)	480098.50	3774629.13	8.46074	(12071219)
480148.50	3774629.13	8.28430	(12071219)	480198.50	3774629.13	9.42420	(13012217)
480248.50	3774629.13	9.58519	(12071222)	480298.50	3774629.13	10.19740	(12071222)
480348.50	3774629.13	10.24575	(12071222)	480398.50	3774629.13	10.07691	(12091420)

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        480448.50   3774629.13       10.54095  (12091420)               480498.50
3774629.13       10.81849  (12081522)
        479998.50   3774679.13        7.04706  (14091624)               480048.50
3774679.13        7.48749  (12071219)
        480098.50   3774679.13        7.76959  (12071219)               480148.50
3774679.13        8.18791  (12071219)
        480198.50   3774679.13        8.81102  (14040821)               480248.50
3774679.13        9.01545  (14040821)
        480298.50   3774679.13        9.38630  (14040821)               480348.50
3774679.13        9.31439  (12082820)
        480398.50   3774679.13        9.72289  (12082820)               480448.50
3774679.13        9.78827  (12071222)
        480498.50   3774679.13       10.07285  (12071222)               479998.50
3774729.13        6.50329  (14091624)
        480048.50   3774729.13        7.02274  (15090821)               480098.50
3774729.13        7.01230  (12071219)
        480148.50   3774729.13        8.02461  (15081622)               480198.50
3774729.13        8.19203  (15081622)
        480248.50   3774729.13        8.75945  (15081622)               480298.50
3774729.13        8.67622  (15081622)
        480348.50   3774729.13        8.71495  (14040821)               480398.50
3774729.13        8.93331  (14040821)
        480448.50   3774729.13        9.14249  (12071323)               480498.50
3774729.13        9.25066  (12081324)
        479998.50   3774779.13        6.03276  (14091624)               480048.50
3774779.13        6.50482  (12081701)
        480098.50   3774779.13        6.44963  (15090821)               480148.50
3774779.13        7.33978  (12081701)
        480198.50   3774779.13        7.75734  (16091921)               480248.50
3774779.13        8.08013  (15081622)
        480298.50   3774779.13        8.08787  (15081622)               480348.50
3774779.13        8.45190  (15081622)
        480398.50   3774779.13        8.30149  (15081622)               480448.50
3774779.13        8.53139  (15081622)
        480498.50   3774779.13        8.55693  (12071323)               479998.50
3774829.13        5.74928  (15062006)
        480048.50   3774829.13        5.99466  (12081701)               480098.50
3774829.13        5.96737  (13063021)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                   PAGE 208
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1   ***
                                   INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
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                L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        480148.50   3774829.13        6.82533  (12081701)               480198.50
3774829.13        7.20533  (13020223)
        480248.50   3774829.13        7.46222  (16091921)               480298.50
3774829.13        7.46351  (15081622)
        480348.50   3774829.13        7.85654  (15081622)               480398.50
3774829.13        7.82417  (15081622)
        480448.50   3774829.13        8.13853  (15081622)               480498.50
3774829.13        8.14393  (15081622)
        479998.50   3774879.13        5.61561  (15062006)               480048.50
3774879.13        5.58432  (15031120)
        480098.50   3774879.13        5.54138  (16090403)               480148.50
3774879.13        6.32206  (16072601)
        480198.50   3774879.13        6.60614  (13020223)               480248.50
3774879.13        6.94048  (13020223)
        480298.50   3774879.13        6.93179  (16091921)               480348.50
3774879.13        7.29604  (16091921)
        480398.50   3774879.13        7.51540  (16091921)               480448.50
3774879.13        7.62446  (15081622)
        480498.50   3774879.13        7.68192  (15081622)               479998.50
3774929.13        5.31952  (15062006)
        480048.50   3774929.13        5.30860  (15062006)               480098.50
3774929.13        5.19138  (15031120)
        480148.50   3774929.13        6.08671  (16102719)               480198.50
3774929.13        6.04500  (16072601)
        480248.50   3774929.13        6.46123  (13020223)               480298.50
3774929.13        6.50223  (13020223)
        480348.50   3774929.13        6.81438  (13020223)               480398.50
3774929.13        7.10735  (16091921)
        480448.50   3774929.13        7.11655  (16091921)               480498.50
3774929.13        7.34275  (15081622)
        479998.50   3774979.13        5.00296  (15062006)               480048.50
3774979.13        5.06346  (15062006)
        480098.50   3774979.13        4.93224  (15062006)               480148.50
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3774979.13        5.74744  (15062006)
        480198.50   3774979.13        5.69506  (16102719)                480248.50
3774979.13        6.08581  (16102719)
        480298.50   3774979.13        6.07995  (13020223)                480348.50
3774979.13        6.41521  (13020223)
        480398.50   3774979.13        6.67713  (13020223)                480448.50
3774979.13        6.69368  (16091921)
        480498.50   3774979.13        6.92714  (16091921)                479998.50
3775029.13        4.66989  (15062006)
        480048.50   3775029.13        4.79772  (15062006)                480098.50
3775029.13        4.73103  (15062006)
        480148.50   3775029.13        5.46949  (15062006)                480198.50
3775029.13        5.39062  (15062006)
        480248.50   3775029.13        5.71832  (16072103)                480298.50
3775029.13        5.75561  (16102719)
        480348.50   3775029.13        6.01543  (16102719)                480398.50
3775029.13        6.27948  (13020223)
        480448.50   3775029.13        6.31459  (13020223)                480498.50
3775029.13        6.51129  (16091921)
        479998.50   3775079.13        4.39220  (16111018)                480048.50
3775079.13        4.51371  (15062006)
        480098.50   3775079.13        4.51225  (15062006)                480148.50
3775079.13        5.18450  (15062006)
        480198.50   3775079.13        5.16179  (15062006)                480248.50
3775079.13        5.05827  (15062006)
        480298.50   3775079.13        5.42953  (16072103)                480348.50
3775079.13        5.70583  (16102719)
        480398.50   3775079.13        5.94010  (14083103)                480448.50
3775079.13        6.06139  (13020223)
        480498.50   3775079.13        6.20246  (13020223)                479998.50
3775129.13        4.18976  (16111018)
        480048.50   3775129.13        4.21636  (15062006)                480098.50
3775129.13        4.27629  (15062006)
        480148.50   3775129.13        4.89276  (15062006)                480198.50
3775129.13        5.00137  (15062006)
        480248.50   3775129.13        5.03165  (15062006)                480298.50
3775129.13        5.15359  (15062006)
        480348.50   3775129.13        5.46162  (14083103)                480398.50
3775129.13        5.65586  (14083103)
        480448.50   3775129.13        5.78876  (14083103)                480498.50
3775129.13        5.88303  (14083103)
        479998.50   3775179.13        4.05411  (16111018)                480048.50
3775179.13        4.04248  (16111018)
        480098.50   3775179.13        4.59031  (16111018)                480148.50
3775179.13        4.60633  (16111018)
        480198.50   3775179.13        4.76967  (15060920)                480248.50
3775179.13        4.93662  (15062006)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***
INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 , L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 , L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 , L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480298.50	3775179.13	5.09980	(15080323)	480348.50	3775179.13	5.30634	(15080323)
480398.50	3775179.13	5.35016	(14083103)	480448.50	3775179.13	5.62406	(14083103)
480498.50	3775179.13	5.72874	(14083103)	479998.50	3775229.13	3.83312	(16111018)
480048.50	3775229.13	3.86376	(16111018)	480098.50	3775229.13	4.41084	(16111018)
480148.50	3775229.13	4.42824	(16111018)	480198.50	3775229.13	4.53260	(16111018)
480248.50	3775229.13	4.70436	(15060920)	480298.50	3775229.13	4.91353	(15060920)
480348.50	3775229.13	5.11272	(15080323)	480398.50	3775229.13	5.25637	(14092506)
480448.50	3775229.13	5.35150	(14073003)	480498.50	3775229.13	5.44529	(14083103)
479998.50	3775279.13	3.61031	(16111018)	480048.50	3775279.13	3.67955	(16111018)
480098.50	3775279.13	4.20821	(16062706)	480148.50	3775279.13	4.24734	(16111018)
480198.50	3775279.13	4.37598	(16111018)	480248.50	3775279.13	4.48534	(15060920)
480298.50	3775279.13	4.65295	(15060920)	480348.50	3775279.13	4.94849	(16092022)

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        480398.50   3775279.13        5.04477  (14092506)               480448.50
3775279.13        5.19123  (14092506)
        480498.50   3775279.13        5.21282  (14073003)               479998.50
3775329.13        3.47014  (13090718)
        480048.50   3775329.13        3.49147  (16111018)               480098.50
3775329.13        4.02131  (16062706)
        480148.50   3775329.13        4.06370  (16111018)               480198.50
3775329.13        4.27789  (16111018)
        480248.50   3775329.13        4.30447  (16111018)               480298.50
3775329.13        4.64553  (16092022)
        480348.50   3775329.13        4.76429  (16092022)               480398.50
3775329.13        4.95209  (16092022)
        480448.50   3775329.13        4.98584  (14092506)               480498.50
3775329.13        5.09156  (14092506)
        479998.50   3775379.13        3.35721  (13090718)               480048.50
3775379.13        3.63283  (13100921)
        480098.50   3775379.13        3.85399  (16062706)               480148.50
3775379.13        3.87782  (16111018)
        480198.50   3775379.13        4.17947  (16062706)               480248.50
3775379.13        4.29980  (16062706)
        480298.50   3775379.13        4.55196  (12112418)               480348.50
3775379.13        4.69035  (16092022)
        480398.50   3775379.13        4.80720  (16092022)               480448.50
3775379.13        4.86464  (16090206)
        480498.50   3775379.13        4.94739  (14092506)               479998.50
3775429.13        3.40239  (15101020)
        480048.50   3775429.13        3.72096  (16092620)               480098.50
3775429.13        3.66437  (13100921)
        480148.50   3775429.13        3.88784  (16062706)               480198.50
3775429.13        4.05022  (16062706)
        480248.50   3775429.13        4.31800  (14092604)               480298.50
3775429.13        4.42819  (14092604)
        480348.50   3775429.13        4.58653  (12112418)               480398.50
3775429.13        4.70552  (16092022)
        480448.50   3775429.13        4.71196  (16092022)               480498.50
3775429.13        4.79847  (16090206)
        479998.50   3775479.13        3.55006  (15101020)               480048.50
3775479.13        3.59558  (16092620)
        480098.50   3775479.13        3.52607  (16092620)               480148.50
3775479.13        3.80658  (15100822)
        480198.50   3775479.13        4.07004  (15100822)               480248.50
3775479.13        4.28868  (15100822)
        480298.50   3775479.13        4.43268  (12091722)               480348.50
3775479.13        4.50129  (12091722)
        480398.50   3775479.13        4.57455  (12112418)               480448.50
3775479.13        4.61926  (16092022)
        480498.50   3775479.13        4.70446  (13101820)               480254.72
3774120.37       41.82929  (13041207)
        480287.52   3774147.62       70.83887  (13062606)               480349.09
3774140.55       67.53261  (13062606)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK1 ***
INCLUDING SOURCE(S): L0002519 , L0002520 , L0002521 , L0002522 , L0002523 ,
L0002524 , L0002525 , L0002526 , L0002527 , L0002528 , L0002529 , L0002530 , L0002531 ,
L0002532 , L0002533 , L0002534 , L0002535 , L0002536 , L0002537 , L0002538 , L0002539 ,
L0002540 , L0002541 , L0002542 , L0002543 , L0002544 , L0002545 , L0002546 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480381.90	3774044.67	23.10881	(14100318)	480443.97	3774003.79	19.80470	(13062921)
480407.64	3774005.81	19.73407	(13062921)	480390.48	3774008.33	19.63503	(13062921)
480543.03	3774446.66	14.36977	(13070921)	480593.03	3774446.66	15.24695	(13070921)
480643.03	3774446.66	15.08424	(13070921)	480693.03	3774446.66	15.22075	(13100620)
480743.03	3774446.66	14.91483	(13100620)	480793.03	3774446.66	15.51752	(13100620)
480843.03	3774446.66	15.09112	(14082722)	480893.03	3774446.66	15.39534	(14082722)
480943.03	3774446.66	15.42710	(14082722)	480993.03	3774446.66	15.06163	(14082722)
481043.03	3774446.66	15.33209	(14082722)	481093.03	3774446.66	15.19262	(14082722)
481143.03	3774446.66	15.39203	(14082722)	481193.03	3774446.66	15.58740	(14082722)
481243.03	3774446.66	15.72127	(14082722)	481293.03	3774446.66	15.84064	(14082722)
481343.03	3774446.66	16.05456	(14082722)	481393.03			

3774446.66 15.76836 (14082722)
481443.03 3774446.66 15.75036 (14082722) 480543.03
3774496.66 12.93161 (13070921)
480593.03 3774496.66 13.69148 (13070921) 480643.03
3774496.66 13.73983 (13070921)
480693.03 3774496.66 14.02737 (13070921) 480743.03
3774496.66 14.17741 (13070921)
480793.03 3774496.66 14.15518 (13070921) 480843.03
3774496.66 13.72496 (13070921)
480893.03 3774496.66 13.98724 (13070921) 480943.03
3774496.66 13.88782 (13070921)
480993.03 3774496.66 14.13634 (15082519) 481043.03
3774496.66 13.97653 (15082519)
481093.03 3774496.66 13.79252 (13100620) 481143.03
3774496.66 13.93975 (15082519)
481193.03 3774496.66 14.31373 (15082519) 481243.03
3774496.66 14.04249 (15082519)
481293.03 3774496.66 14.20936 (15082519) 481343.03
3774496.66 14.34901 (15082519)
481393.03 3774496.66 14.43097 (15082519) 481443.03
3774496.66 14.03881 (14082722)
481493.03 3774496.66 14.03597 (15082519) 480543.03
3774546.66 12.46580 (15100820)
480593.03 3774546.66 12.53471 (12081122) 480643.03
3774546.66 12.54489 (12081122)
480693.03 3774546.66 12.78113 (12081122) 480743.03
3774546.66 12.87507 (12081122)
480793.03 3774546.66 12.81239 (12081122) 480843.03
3774546.66 12.55013 (13070921)
480893.03 3774546.66 12.99370 (13070921) 480943.03
3774546.66 12.90283 (13070921)
480993.03 3774546.66 13.07482 (13070921) 481043.03
3774546.66 12.85990 (13070921)
481093.03 3774546.66 13.06324 (13070921) 481143.03
3774546.66 13.09205 (13070921)
481193.03 3774546.66 13.01489 (13070921) 481243.03
3774546.66 13.21143 (15082519)
481293.03 3774546.66 13.27224 (15082519) 481343.03
3774546.66 13.13768 (15082519)
481393.03 3774546.66 13.21086 (15082519) 481443.03
3774546.66 13.09340 (15082519)
481493.03 3774546.66 12.96596 (15082519) 481543.03
3774546.66 12.65267 (15082519)
480543.03 3774596.66 11.52822 (14090823) 480593.03
3774596.66 11.39661 (13090822)
480643.03 3774596.66 11.85757 (13090822) 480693.03
3774596.66 11.66004 (15100820)
480743.03 3774596.66 12.04085 (15100820) 480793.03
3774596.66 11.83912 (12081122)
480843.03 3774596.66 12.07531 (12081122) 480893.03

3774596.66   11.98368 (12081122)
        480943.03   3774596.66   11.98385 (12081122)   480993.03
3774596.66   11.97493 (12081122)
        481043.03   3774596.66   11.98642 (12081122)   481093.03
3774596.66   11.93722 (13070921)
        481143.03   3774596.66   12.07398 (13070921)   481193.03
3774596.66   12.06038 (13070921)
        481243.03   3774596.66   12.04717 (13070921)   481293.03
3774596.66   12.06561 (13070921)
        481343.03   3774596.66   11.99727 (13070921)   481393.03
3774596.66   11.90972 (12092219)
        481443.03   3774596.66   11.94636 (15082519)   481493.03
3774596.66   11.82543 (15082519)
        481543.03   3774596.66   11.82547 (15082519)   480543.03
3774646.66   10.56742 (14090823)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK1   ***
                                    INCLUDING SOURCE(S):   L0002519   , L0002520
, L0002521   , L0002522   , L0002523   ,
                   L0002524   , L0002525   , L0002526   , L0002527   , L0002528
, L0002529   , L0002530   , L0002531   ,
                   L0002532   , L0002533   , L0002534   , L0002535   , L0002536
, L0002537   , L0002538   , L0002539   ,
                   L0002540   , L0002541   , L0002542   , L0002543   , L0002544
, L0002545   , L0002546   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        480593.03   3774646.66   10.75517 (14090823)   480643.03
3774646.66   10.90368 (14090823)
        480693.03   3774646.66   10.80827 (14090823)   480743.03
3774646.66   11.02603 (14090823)
        480793.03   3774646.66   10.95089 (13090822)   480843.03
3774646.66   11.12663 (13090822)

480893.03 3774646.66 11.16712 (15100820) 480943.03
3774646.66 11.24363 (15100820)
480993.03 3774646.66 11.10401 (15100820) 481043.03
3774646.66 11.24087 (15100820)
481093.03 3774646.66 11.33441 (15100820) 481143.03
3774646.66 11.18352 (12081122)
481193.03 3774646.66 11.25029 (12081705) 481243.03
3774646.66 11.08775 (16083004)
481293.03 3774646.66 11.14254 (16083004) 481343.03
3774646.66 11.04391 (16083004)
481393.03 3774646.66 11.02595 (14091601) 481443.03
3774646.66 11.06346 (14091601)
481493.03 3774646.66 10.94805 (14091601) 481543.03
3774646.66 10.86897 (14091601)
480543.03 3774696.66 9.69419 (12071222) 480593.03
3774696.66 9.90431 (12091420)
480643.03 3774696.66 9.91969 (12091420) 480693.03
3774696.66 10.13836 (14090823)
480743.03 3774696.66 10.18977 (14090823) 480793.03
3774696.66 10.14773 (14090823)
480843.03 3774696.66 10.32093 (14090823) 480893.03
3774696.66 10.40320 (14090823)
480943.03 3774696.66 10.34458 (14073102) 480993.03
3774696.66 10.45025 (13090822)
481043.03 3774696.66 10.48088 (15100820) 481093.03
3774696.66 10.52119 (15100820)
481143.03 3774696.66 10.55666 (15100820) 481193.03
3774696.66 10.49350 (15100820)
481243.03 3774696.66 10.52979 (12081705) 481293.03
3774696.66 10.40980 (12081705)
481343.03 3774696.66 10.45722 (12081705) 481393.03
3774696.66 10.46994 (12081705)
481443.03 3774696.66 10.30010 (12081705) 481493.03
3774696.66 10.27116 (12082922)
481543.03 3774696.66 10.22089 (12082922) 480543.03
3774746.66 9.23600 (12081324)
480593.03 3774746.66 9.28666 (12081324) 480643.03
3774746.66 9.34325 (12081324)
480693.03 3774746.66 9.40883 (12081324) 480743.03
3774746.66 9.37306 (15100821)
480793.03 3774746.66 9.54370 (15100821) 480843.03
3774746.66 9.52254 (14090823)
480893.03 3774746.66 9.69102 (14090823) 480943.03
3774746.66 9.72138 (14090823)
480993.03 3774746.66 9.76906 (14090823) 481043.03
3774746.66 9.83255 (14073102)
481093.03 3774746.66 9.74228 (14073102) 481143.03
3774746.66 9.85044 (13082921)
481193.03 3774746.66 9.84303 (13082921) 481243.03
3774746.66 9.77675 (13082921)

```
        481293.03   3774746.66        9.79831  (13082921)               481343.03
3774746.66        9.76621  (12081705)
        481393.03   3774746.66        9.75489  (12081705)               481443.03
3774746.66        9.77297  (12081705)
        481493.03   3774746.66        9.71032  (12081705)               481543.03
3774746.66        9.63714  (12081705)
        480543.03   3774796.66        8.56794  (12071323)               480593.03
3774796.66        8.71329  (12071323)
        480643.03   3774796.66        8.83302  (12081324)               480693.03
3774796.66        8.96173  (12081324)
        480743.03   3774796.66        8.98379  (12081324)               480793.03
3774796.66        8.89394  (12081324)
        480843.03   3774796.66        8.99641  (15100821)               480893.03
3774796.66        8.99174  (15100821)
        480943.03   3774796.66        9.11341  (15100821)               480993.03
3774796.66        9.18943  (13090323)
        481043.03   3774796.66        9.16907  (13090323)               481093.03
3774796.66        9.28811  (13090323)
        481143.03   3774796.66        9.16144  (13090323)               481193.03
3774796.66        9.23346  (12090521)
        481243.03   3774796.66        9.14578  (13082921)               481293.03
3774796.66        9.21353  (13082921)
        481343.03   3774796.66        9.23567  (13082921)               481393.03
3774796.66        9.13057  (13082921)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 212
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK1   ***
                                    INCLUDING SOURCE(S):     L0002519    , L0002520
, L0002521    , L0002522    , L0002523    ,
                   L0002524    , L0002525    , L0002526    , L0002527    , L0002528
, L0002529    , L0002530    , L0002531    ,
                   L0002532    , L0002533    , L0002534    , L0002535    , L0002536
, L0002537    , L0002538    , L0002539    ,
                   L0002540    , L0002541    , L0002542    , L0002543    , L0002544
, L0002545    , L0002546    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
```

Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        481443.03   3774796.66   9.08712 (13082921)   481493.03
3774796.66   9.11152 (12081705)
        481543.03   3774796.66   9.11094 (12081705)   480543.03
3774846.66   8.08825 (15081622)
        480593.03   3774846.66   8.18907 (12071323)   480643.03
3774846.66   8.22671 (12071323)
        480693.03   3774846.66   8.45625 (12071323)   480743.03
3774846.66   8.40404 (12081324)
        480793.03   3774846.66   8.36641 (12081324)   480843.03
3774846.66   8.45454 (12081324)
        480893.03   3774846.66   8.41802 (12081324)   480943.03
3774846.66   8.53075 (15100821)
        480993.03   3774846.66   8.62293 (15100821)   481043.03
3774846.66   8.62045 (15100821)
        481093.03   3774846.66   8.67513 (13090323)   481143.03
3774846.66   8.77168 (13090323)
        481193.03   3774846.66   8.72717 (13090323)   481243.03
3774846.66   8.76452 (13090323)
        481293.03   3774846.66   8.71299 (13090323)   481343.03
3774846.66   8.67861 (12090521)
        481393.03   3774846.66   8.63519 (12090521)   481443.03
3774846.66   8.64328 (13082921)
        481493.03   3774846.66   8.58366 (13082921)   481543.03
3774846.66   8.52841 (13082921)
        480543.03   3774896.66   7.65961 (15081622)   480593.03
3774896.66   7.80226 (15081622)
        480643.03   3774896.66   7.89055 (13082824)   480693.03
3774896.66   7.94906 (12071323)
        480743.03   3774896.66   8.00535 (12071323)   480793.03
3774896.66   7.96927 (12071323)
        480843.03   3774896.66   7.93533 (12081324)   480893.03
3774896.66   8.01938 (12081324)
        480943.03   3774896.66   8.05980 (12081324)   480993.03
3774896.66   8.11691 (12081324)
        481043.03   3774896.66   8.17584 (15100821)   481093.03
3774896.66   8.16944 (15100821)
        481143.03   3774896.66   8.18260 (15100821)   481193.03
3774896.66   8.23348 (13090323)
        481243.03   3774896.66   8.25642 (13090323)   481293.03
3774896.66   8.31506 (13090323)
        481343.03   3774896.66   8.29482 (13090323)   481393.03
3774896.66   8.26224 (13090323)
        481443.03   3774896.66   8.21653 (13090323)   481493.03
3774896.66   8.15717 (12090521)
        481543.03   3774896.66   8.11415 (12090521)   480543.03
3774946.66   7.32040 (15081622)
        480593.03   3774946.66   7.38322 (15081622)   480643.03

3774946.66   7.47358 (15081622)
        480693.03   3774946.66   7.53178 (13082824)   480743.03
3774946.66   7.50795 (13082824)
        480793.03   3774946.66   7.51742 (12071323)   480843.03
3774946.66   7.51066 (12071323)
        480893.03   3774946.66   7.58712 (12071323)   480943.03
3774946.66   7.69096 (12081324)
        480993.03   3774946.66   7.75710 (12081324)   481043.03
3774946.66   7.76264 (12081324)
        481093.03   3774946.66   7.75898 (12081324)   481143.03
3774946.66   7.75683 (15100821)
        481193.03   3774946.66   7.73910 (15100821)   481243.03
3774946.66   7.79433 (14070702)
        481293.03   3774946.66   7.83196 (13090323)   481343.03
3774946.66   7.86429 (13090323)
        481393.03   3774946.66   7.86842 (13090323)   481443.03
3774946.66   7.85933 (13090323)
        481493.03   3774946.66   7.83342 (13090323)   481543.03
3774946.66   7.76604 (13090323)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                  INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                 L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                 L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                 L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478170.37   3774040.02   4.92230 (15012917)   478220.37
3774040.02   5.10311 (15012917)

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        478270.37   3774040.02        5.32589  (15012917)               478320.37
3774040.02        5.53654  (15012917)
        478170.37   3774090.02        4.80092  (15012917)               478220.37
3774090.02        4.97014  (15012917)
        478270.37   3774090.02        5.17884  (15012917)               478320.37
3774090.02        5.37428  (15012917)
        478170.37   3774140.02        4.71128  (12012506)               478220.37
3774140.02        4.87837  (12012506)
        478270.37   3774140.02        5.07939  (12012506)               478320.37
3774140.02        5.26949  (12012506)
        478170.37   3774190.02        4.63462  (16100705)               478220.37
3774190.02        4.81203  (16100705)
        478270.37   3774190.02        5.00816  (16100705)               478320.37
3774190.02        5.19937  (16100705)
        478170.37   3774240.02        4.58705  (16100705)               478220.37
3774240.02        4.74529  (16100705)
        478270.37   3774240.02        4.91882  (16100705)               478320.37
3774240.02        5.08408  (16100705)
        478370.37   3774240.02        5.26645  (16100705)               478420.37
3774240.02        5.46616  (16100705)
        478470.37   3774240.02        5.65511  (16100705)               478520.37
3774240.02        5.88407  (16100705)
        478570.37   3774240.02        6.10951  (14022723)               479170.37
3774240.02       10.49522  (16111017)
        479220.37   3774240.02       10.54030  (16111017)               479270.37
3774240.02       10.64552  (16111017)
        479320.37   3774240.02       10.67230  (13052302)               479370.37
3774240.02       10.71791  (13052302)
        479420.37   3774240.02       10.83522  (13052302)               479470.37
3774240.02       10.87084  (15091504)
        479520.37   3774240.02       10.94563  (15091504)               479570.37
3774240.02       10.95535  (15091504)
        479620.37   3774240.02       10.90473  (15091504)               479670.37
3774240.02       10.91635  (15091504)
        479720.37   3774240.02       10.85442  (14091620)               479770.37
3774240.02       10.89455  (13062606)
        479820.37   3774240.02       11.02561  (13062606)               479870.37
3774240.02       11.12782  (13062606)
        479920.37   3774240.02       11.20624  (13062606)               479970.37
3774240.02       11.27026  (13062606)
        478170.37   3774290.02        4.44619  (16100705)               478220.37
3774290.02        4.57943  (16100705)
        478270.37   3774290.02        4.73332  (14022723)               478320.37
3774290.02        4.88841  (14022723)
        478370.37   3774290.02        5.05682  (14022723)               478420.37
3774290.02        5.23818  (14022723)
        478470.37   3774290.02        5.46764  (13112720)               478520.37
3774290.02        5.73910  (13112720)
        478570.37   3774290.02        5.98802  (13112720)               479170.37
3774290.02        9.03559  (13052302)
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        479220.37   3774290.02        9.06790  (13052302)               479270.37
3774290.02        9.17941  (15091504)
        479320.37   3774290.02        9.22992  (15091504)               479370.37
3774290.02        9.32613  (15091504)
        479420.37   3774290.02        9.38480  (15091504)               479470.37
3774290.02        9.40111  (15091504)
        479520.37   3774290.02        9.44997  (15091504)               479570.37
3774290.02        9.44220  (15091504)
        479620.37   3774290.02        9.46060  (15091504)               479670.37
3774290.02        9.38651  (15091504)
        479720.37   3774290.02        9.29112  (15091504)               479770.37
3774290.02        9.25658  (14091620)
        479820.37   3774290.02        9.24904  (13062606)               479870.37
3774290.02        9.36409  (13062606)
        479920.37   3774290.02        9.46055  (13062606)               479970.37
3774290.02        9.54532  (13062606)
        478170.37   3774340.02        4.30592  (14022723)               478220.37
3774340.02        4.45397  (13112720)
        478270.37   3774340.02        4.63823  (13112720)               478320.37
3774340.02        4.81331  (13112720)
        478370.37   3774340.02        5.00223  (13112720)               478420.37
3774340.02        5.20432  (13112720)
        478470.37   3774340.02        5.40773  (13112720)               478520.37
3774340.02        5.61142  (13112720)
        478570.37   3774340.02        5.80069  (13112720)               479170.37
3774340.02        8.01133  (15091504)
        479220.37   3774340.02        8.10893  (15091504)               479270.37
3774340.02        8.16896  (15091504)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 214
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK2   ***
                                    INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                  L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
                  L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                  L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479320.37	3774340.02	8.19521	(15091504)	479370.37	3774340.02	8.25777	(15091504)
479420.37	3774340.02	8.28937	(15091504)	479470.37	3774340.02	8.28866	(15091504)
479520.37	3774340.02	8.33028	(15091504)	479570.37	3774340.02	8.29534	(15091504)
479620.37	3774340.02	8.30143	(15091504)	479670.37	3774340.02	8.23364	(15091504)
479720.37	3774340.02	8.21902	(14091624)	479770.37	3774340.02	8.18556	(14091624)
479820.37	3774340.02	8.14769	(14091624)	479870.37	3774340.02	8.10074	(14091624)
479920.37	3774340.02	8.16742	(13062606)	479970.37	3774340.02	8.26004	(13062606)
478170.37	3774390.02	4.29525	(13112720)	478220.37	3774390.02	4.44247	(13112720)
478270.37	3774390.02	4.59927	(13112720)	478320.37	3774390.02	4.74299	(13112720)
478370.37	3774390.02	4.91198	(13112720)	478420.37	3774390.02	5.05589	(13112720)
478470.37	3774390.02	5.21562	(13112720)	478520.37	3774390.02	5.36197	(13112720)
478570.37	3774390.02	5.49874	(14011323)	479170.37	3774390.02	7.27529	(15091504)
479220.37	3774390.02	7.33431	(15091504)	479270.37	3774390.02	7.36340	(15091504)
479320.37	3774390.02	7.37344	(15091504)	479370.37	3774390.02	7.42692	(15091504)
479420.37	3774390.02	7.42405	(15091504)	479470.37	3774390.02	7.45961	(15091504)
479520.37	3774390.02	7.43562	(15091504)	479570.37	3774390.02	7.41594	(15091504)
479620.37	3774390.02	7.40761	(16021808)	479670.37	3774390.02	7.40585	(14091624)
479720.37	3774390.02	7.40414	(14091624)	479770.37	3774390.02	7.37495	(14091624)
479820.37	3774390.02	7.34611	(14091624)	479870.37	3774390.02	7.31823	(14091624)
479920.37	3774390.02	7.24051	(14091624)	479970.37	3774390.02	7.26118	(13062606)
478170.37	3774440.02	4.22844	(13112720)	478220.37	3774440.02	4.35031	(13112720)
478270.37	3774440.02	4.47480	(13112720)	478320.37			

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3774440.02        4.58499  (13112720)
        478370.37   3774440.02        4.71555  (13112720)                478420.37
3774440.02        4.82973  (14011323)
        478470.37   3774440.02        4.99109  (14011323)                478520.37
3774440.02        5.14429  (16111017)
        478570.37   3774440.02        5.33279  (16111017)                478620.37
3774440.02        5.53305  (16111017)
        478670.37   3774440.02        5.70600  (16111017)                478720.37
3774440.02        5.85036  (16111017)
        478770.37   3774440.02        5.97015  (16111017)                478820.37
3774440.02        6.09940  (16111017)
        479320.37   3774440.02        6.69944  (15091504)                479370.37
3774440.02        6.73482  (15091504)
        479420.37   3774440.02        6.72387  (15091504)                479470.37
3774440.02        6.74477  (15091504)
        479520.37   3774440.02        6.72643  (16021808)                479570.37
3774440.02        6.72901  (16021808)
        479620.37   3774440.02        6.72670  (16021808)                479670.37
3774440.02        6.74381  (14091624)
        479720.37   3774440.02        6.73799  (14091624)                479770.37
3774440.02        6.70993  (14091624)
        479820.37   3774440.02        6.69693  (14091624)                479870.37
3774440.02        6.66293  (14091624)
        479920.37   3774440.02        6.62359  (14091624)                479970.37
3774440.02        6.67565  (16111020)
        478170.37   3774490.02        4.09476  (13112720)                478220.37
3774490.02        4.20004  (13112720)
        478270.37   3774490.02        4.30241  (14011323)                478320.37
3774490.02        4.42093  (14011323)
        478370.37   3774490.02        4.55714  (14011323)                478420.37
3774490.02        4.70322  (16111017)
        478470.37   3774490.02        4.87361  (16111017)                478520.37
3774490.02        5.02721  (16111017)
        478570.37   3774490.02        5.16141  (16111017)                478620.37
3774490.02        5.30871  (16111017)
        478670.37   3774490.02        5.41098  (16111017)                478720.37
3774490.02        5.49252  (16111017)
*** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                         ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                   PAGE 215
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK2   ***
                                   INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                 L0002697    , L0002698    , L0002699    , L0002700    , L0002701
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, L0002702    , L0002703    , L0002704    ,
                L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        478749.26   3774487.73        5.54800  (16111017)               478820.37
3774490.02        5.65513  (13052302)
        479370.37   3774490.02        6.16062  (15091504)               479420.37
3774490.02        6.16679  (16021808)
        479470.37   3774490.02        6.18681  (16021808)               479520.37
3774490.02        6.17516  (16021808)
        479570.37   3774490.02        6.19239  (16021808)               479620.37
3774490.02        6.18436  (14091624)
        479670.37   3774490.02        6.20278  (14091624)               479720.37
3774490.02        6.18782  (14091624)
        479770.37   3774490.02        6.16355  (14091624)               479820.37
3774490.02        6.16010  (14091624)
        479870.37   3774490.02        6.12636  (15091504)               479920.37
3774490.02        6.18121  (15091504)
        479970.37   3774490.02        6.23967  (16100301)               478170.37
3774540.02        3.97962  (14011323)
        478220.37   3774540.02        4.08840  (14011323)               478270.37
3774540.02        4.20010  (16111017)
        478320.37   3774540.02        4.33146  (16111017)               478370.37
3774540.02        4.48013  (16111017)
        478420.37   3774540.02        4.59981  (16111017)               478470.37
3774540.02        4.72667  (16111017)
        478520.37   3774540.02        4.83411  (16111017)               478570.37
3774540.02        4.92059  (16111017)
        478620.37   3774540.02        5.01729  (16111017)               478670.37
3774540.02        5.07161  (16111017)
        478720.37   3774540.02        5.13814  (13052302)               478764.86
3774550.58        5.15446  (13052302)
        478807.52   3774552.41        5.20010  (13052302)               479370.37
3774540.02        5.70749  (16021808)
        479420.37   3774540.02        5.71459  (16021808)               479470.37
3774540.02        5.72641  (16021808)
        479520.37   3774540.02        5.71103  (16021808)               479570.37
3774540.02        5.73139  (14091624)
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        479620.37   3774540.02        5.72768  (14091624)                479670.37
3774540.02        5.74388  (14091624)
        479720.37   3774540.02        5.72854  (14091624)                479770.37
3774540.02        5.71991  (14091624)
        479820.37   3774540.02        5.73020  (15091504)                479870.37
3774540.02        5.75690  (15091504)
        479920.37   3774540.02        5.82517  (15091504)                479970.37
3774540.02        5.89507  (15091504)
        478170.37   3774590.02        3.91541  (16111017)                478220.37
3774590.02        4.03210  (16111017)
        478270.37   3774590.02        4.13807  (16111017)                478320.37
3774590.02        4.25189  (16111017)
        478370.37   3774590.02        4.35124  (16111017)                478420.37
3774590.02        4.43511  (16111017)
        478470.37   3774590.02        4.53006  (16111017)                478520.37
3774590.02        4.59130  (16111017)
        478570.37   3774590.02        4.66285  (16111017)                478620.37
3774590.02        4.72765  (13052302)
        478670.37   3774590.02        4.80386  (13052302)                478720.37
3774590.02        4.86353  (13052302)
        478776.33   3774602.87        4.84415  (16100301)                478804.31
3774604.25        4.87364  (16100301)
        479370.37   3774590.02        5.32483  (16021808)                479420.37
3774590.02        5.34538  (16021808)
        479470.37   3774590.02        5.33351  (16021808)                479520.37
3774590.02        5.32281  (14091624)
        479570.37   3774590.02        5.34461  (14091624)                479620.37
3774590.02        5.33915  (14091624)
        479670.37   3774590.02        5.35427  (14091624)                479720.37
3774590.02        5.34403  (14091624)
        479770.37   3774590.02        5.36685  (15091504)                479820.37
3774590.02        5.39928  (15091504)
        479870.37   3774590.02        5.43848  (15091504)                479920.37
3774590.02        5.50740  (15091504)
        479970.37   3774590.02        5.57996  (15091504)                478170.37
3774640.02        3.85888  (16111017)
        478220.37   3774640.02        3.94470  (16111017)                478270.37
3774640.02        4.02268  (16111017)
        478320.37   3774640.02        4.10639  (16111017)                478370.37
3774640.02        4.17481  (16111017)
        478420.37   3774640.02        4.22756  (16111017)                478470.37
3774640.02        4.29000  (16111017)
        478520.37   3774640.02        4.35465  (13052302)                478570.37
3774640.02        4.44825  (13052302)
        478620.37   3774640.02        4.50535  (13052302)                478670.37
3774640.02        4.55266  (13052302)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2   ***
INCLUDING SOURCE(S):   L0002692   , L0002693 , L0002694   , L0002695   , L0002696   ,
L0002697   , L0002698   , L0002699   , L0002700   , L0002701 , L0002702   , L0002703   , L0002704   ,
L0002705   , L0002706   , L0002707   , L0002708   , L0002709 , L0002710   , L0002711   , L0002712   ,
L0002713   , L0002714   , L0002715   , L0002716   , L0002717 , L0002718   , L0002719   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478720.37	3774640.02	4.60153	(16100301)	478770.37	3774640.02	4.67178	(15091504)
478820.37	3774640.02	4.77208	(15091504)	478870.37	3774640.02	4.85208	(15091504)
479370.37	3774640.02	4.99248	(16021808)	479420.37	3774640.02	5.00876	(16021808)
479470.37	3774640.02	4.99663	(16021808)	479520.37	3774640.02	5.00718	(14091624)
479570.37	3774640.02	5.01196	(14091624)	479620.37	3774640.02	5.02480	(14091624)
479670.37	3774640.02	5.02364	(14091624)	479720.37	3774640.02	5.02668	(14091624)
479770.37	3774640.02	5.06760	(15091504)	479820.37	3774640.02	5.10357	(15091504)
479870.37	3774640.02	5.15298	(15091504)	479920.37	3774640.02	5.20357	(15091504)
479970.37	3774640.02	5.26137	(15091504)	478170.37	3774690.02	3.75418	(16111017)
478220.37	3774690.02	3.81433	(16111017)	478270.37	3774690.02	3.86729	(16111017)
478320.37	3774690.02	3.92719	(16111017)	478370.37	3774690.02	3.96683	(16111017)
478420.37	3774690.02	4.03388	(13052302)	478470.37	3774690.02	4.11983	(13052302)
478520.37	3774690.02	4.17463	(13052302)	478570.37			

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3774690.02        4.23652  (13052302)
        478620.37   3774690.02        4.26538  (13052302)                478670.37
3774690.02        4.34021  (16100301)
        478720.37   3774690.02        4.41793  (15091504)                478770.37
3774690.02        4.49616  (15091504)
        478820.37   3774690.02        4.57397  (15091504)                478868.71
3774700.63        4.55550  (15091504)
        478861.34   3774671.12        4.69297  (15091504)                479026.61
3774722.40        4.48820  (16021808)
        479059.05   3774696.65        4.63143  (16021808)                479113.74
3774695.09        4.65510  (16021808)
        479370.37   3774690.02        4.71930  (16021808)                479420.37
3774690.02        4.71718  (16021808)
        479470.37   3774690.02        4.70742  (16021808)                479520.37
3774690.02        4.72658  (14091624)
        479570.37   3774690.02        4.72810  (14091624)                479620.37
3774690.02        4.74299  (14091624)
        479670.37   3774690.02        4.74240  (14091624)                479720.37
3774690.02        4.76314  (16021808)
        479770.37   3774690.02        4.79258  (15091504)                479820.37
3774690.02        4.82318  (15091504)
        479870.37   3774690.02        4.86919  (16021808)                479920.37
3774690.02        4.91660  (16021808)
        479970.37   3774690.02        4.99801  (16021808)                478170.37
3774740.02        3.61380  (16111017)
        478220.37   3774740.02        3.65244  (16111017)                478270.37
3774740.02        3.68409  (16111017)
        478320.37   3774740.02        3.77131  (13052302)                478370.37
3774740.02        3.83333  (13052302)
        478420.37   3774740.02        3.88752  (13052302)                478470.37
3774740.02        3.94418  (13052302)
        478520.37   3774740.02        3.97423  (13052302)                478570.37
3774740.02        4.03829  (16100301)
        478620.37   3774740.02        4.08884  (16100301)                478670.37
3774740.02        4.19262  (15091504)
        478720.37   3774740.02        4.26009  (15091504)                478770.37
3774740.02        4.32171  (15091504)
        478820.37   3774740.02        4.35849  (15091504)                478862.96
3774730.27        4.42813  (15091504)
        479020.37   3774740.02        4.40515  (16021808)                479070.37
3774740.02        4.43807  (16021808)
        479120.37   3774740.02        4.43945  (16021808)                479370.37
3774740.02        4.47167  (16021808)
        479420.37   3774740.02        4.46393  (16021808)                479470.37
3774740.02        4.46022  (16021808)
        479520.37   3774740.02        4.47613  (14091624)                479570.37
3774740.02        4.48306  (14091624)
        479620.37   3774740.02        4.50196  (16021808)                479670.37
3774740.02        4.51278  (16021808)
        479720.37   3774740.02        4.55080  (16021808)                479770.37
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478170.37	3774790.02	3.45989	(13052302)	478220.37	3774790.02	3.52454	(13052302)
478270.37	3774790.02	3.58160	(13052302)	478320.37	3774790.02	3.64577	(13052302)
478370.37	3774790.02	3.68532	(13052302)	478420.37	3774790.02	3.73212	(13052302)
478470.37	3774790.02	3.76940	(16100301)	478520.37	3774790.02	3.82718	(16100301)
478570.37	3774790.02	3.89699	(15091504)	478620.37	3774790.02	3.97230	(15091504)
478670.37	3774790.02	4.04928	(15091504)	478720.37	3774790.02	4.09050	(15091504)
478770.37	3774790.02	4.13377	(15091504)	478820.37	3774790.02	4.15398	(15091504)
478870.37	3774790.02	4.16799	(15091504)	478920.37	3774790.02	4.16178	(15091504)

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        478970.37   3774790.02        4.18745  (16021808)              479020.37
3774790.02        4.21703  (16021808)
        479070.37   3774790.02        4.22434  (16021808)              479120.37
3774790.02        4.22128  (16021808)
        479370.37   3774790.02        4.24809  (16021808)              479420.37
3774790.02        4.24311  (16021808)
        479470.37   3774790.02        4.26112  (16021808)              479520.37
3774790.02        4.26211  (16021808)
        479570.37   3774790.02        4.28538  (16021808)              479620.37
3774790.02        4.29926  (16021808)
        479670.37   3774790.02        4.31603  (16021808)              479720.37
3774790.02        4.35825  (16021808)
        479770.37   3774790.02        4.37890  (16021808)              479820.37
3774790.02        4.43185  (16021808)
        479870.37   3774790.02        4.47494  (16021808)              479920.37
3774790.02        4.52545  (16021808)
        479970.37   3774790.02        4.57202  (16021808)              477970.37
3774840.02        3.16035  (16111017)
        478020.37   3774840.02        3.20164  (16111017)              478070.37
3774840.02        3.25233  (13052302)
        478120.37   3774840.02        3.31999  (13052302)              478170.37
3774840.02        3.37236  (13052302)
        478220.37   3774840.02        3.41743  (13052302)              478270.37
3774840.02        3.46969  (13052302)
        478320.37   3774840.02        3.49935  (13052302)              478370.37
3774840.02        3.52922  (16100301)
        478420.37   3774840.02        3.59816  (16100301)              478470.37
3774840.02        3.64160  (16100301)
        478520.37   3774840.02        3.71554  (15091504)              478570.37
3774840.02        3.79191  (15091504)
        478620.37   3774840.02        3.85398  (15091504)              478670.37
3774840.02        3.89523  (15091504)
        478720.37   3774840.02        3.91753  (15091504)              478770.37
3774840.02        3.94564  (15091504)
        478820.37   3774840.02        3.95291  (15091504)              478870.37
3774840.02        3.96129  (16021808)
        478920.37   3774840.02        3.99182  (16021808)              478970.37
3774840.02        4.00727  (16021808)
        479020.37   3774840.02        4.03114  (16021808)              479070.37
3774840.02        4.02966  (16021808)
        479120.37   3774840.02        4.03110  (16021808)              479170.37
3774840.02        4.03673  (16021808)
        479220.37   3774840.02        4.02935  (16021808)              479270.37
3774840.02        4.04185  (16021808)
        479320.37   3774840.02        4.03635  (16021808)              479370.37
3774840.02        4.05113  (16021808)
        479420.37   3774840.02        4.05613  (16021808)              479470.37
3774840.02        4.07005  (16021808)
        479520.37   3774840.02        4.08140  (16021808)              479570.37
3774840.02        4.10476  (16021808)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479620.37	3774840.02	4.11980	(16021808)	479670.37	3774840.02	4.15210	(16021808)
479720.37	3774840.02	4.18254	(16021808)	479770.37	3774840.02	4.20305	(16021808)
479820.37	3774840.02	4.25114	(16021808)	479870.37	3774840.02	4.28602	(16021808)
479920.37	3774840.02	4.32445	(16021808)	479970.37	3774840.02	4.37894	(14091624)
477970.37	3774890.02	3.07067	(13052302)	478020.37	3774890.02	3.12409	(13052302)
478070.37	3774890.02	3.17639	(13052302)	478120.37	3774890.02	3.22668	(13052302)
478170.37	3774890.02	3.26199	(13052302)	478220.37	3774890.02	3.29028	(13052302)
478270.37	3774890.02	3.32722	(16100301)	478320.37	3774890.02	3.38139	(16100301)
478370.37	3774890.02	3.42601	(16100301)	478420.37	3774890.02	3.48577	(15091504)
478470.37	3774890.02	3.55527	(15091504)	478520.37	3774890.02	3.61730	(15091504)
478570.37	3774890.02	3.67130	(15091504)	478620.37			

3774890.02 3.71324 (15091504)
478670.37 3774890.02 3.73756 (15091504) 478720.37
3774890.02 3.74649 (15091504)
478770.37 3774890.02 3.76348 (15091504) 478820.37
3774890.02 3.77228 (16021808)
478870.37 3774890.02 3.81468 (16021808) 478920.37
3774890.02 3.83220 (16021808)
478970.37 3774890.02 3.83899 (16021808) 479020.37
3774890.02 3.85659 (16021808)
479070.37 3774890.02 3.85241 (16021808) 479120.37
3774890.02 3.85241 (16021808)
479170.37 3774890.02 3.85733 (16021808) 479220.37
3774890.02 3.85073 (16021808)
479270.37 3774890.02 3.86354 (16021808) 479320.37
3774890.02 3.86000 (16021808)
479370.37 3774890.02 3.87630 (16021808) 479420.37
3774890.02 3.88388 (16021808)
479470.37 3774890.02 3.90031 (16021808) 479520.37
3774890.02 3.92113 (16021808)
479570.37 3774890.02 3.93967 (16021808) 479620.37
3774890.02 3.95628 (16021808)
479670.37 3774890.02 3.98813 (16021808) 479720.37
3774890.02 4.01630 (16021808)
479770.37 3774890.02 4.03283 (16021808) 479820.37
3774890.02 4.07290 (14091624)
479870.37 3774890.02 4.11740 (14091624) 479920.37
3774890.02 4.16332 (14091624)
479970.37 3774890.02 4.21101 (14091624) 477970.37
3774940.02 3.00368 (13052302)
478020.37 3774940.02 3.04219 (13052302) 478070.37
3774940.02 3.07932 (13052302)
478120.37 3774940.02 3.11437 (13052302) 478170.37
3774940.02 3.13515 (13052302)
478220.37 3774940.02 3.18555 (16100301) 478270.37
3774940.02 3.24308 (16100301)
478320.37 3774940.02 3.27980 (16100301) 478370.37
3774940.02 3.33824 (15091504)
478420.37 3774940.02 3.41361 (15091504) 478470.37
3774940.02 3.46263 (15091504)
478520.37 3774940.02 3.50543 (15091504) 478570.37
3774940.02 3.54193 (15091504)
478620.37 3774940.02 3.56873 (15091504) 478670.37
3774940.02 3.58089 (15091504)
478720.37 3774940.02 3.58037 (15091504) 478770.37
3774940.02 3.60191 (16021808)
478820.37 3774940.02 3.63892 (16021808) 478870.37
3774940.02 3.67270 (16021808)
478920.37 3774940.02 3.68144 (16021808) 478970.37
3774940.02 3.68274 (16021808)
479020.37 3774940.02 3.69636 (16021808) 479070.37

3774940.02   3.69087 (16021808)
        479120.37   3774940.02   3.69040 (16021808)   479170.37
3774940.02   3.69531 (16021808)
        479220.37   3774940.02   3.68989 (16021808)   479270.37
3774940.02   3.70337 (16021808)
        479320.37   3774940.02   3.70177 (16021808)   479370.37
3774940.02   3.71936 (16021808)
        479420.37   3774940.02   3.72883 (16021808)   479470.37
3774940.02   3.74668 (16021808)
        479520.37   3774940.02   3.76833 (16021808)   479570.37
3774940.02   3.78705 (16021808)
        479620.37   3774940.02   3.80272 (16021808)   479670.37
3774940.02   3.83127 (16021808)
        479720.37   3774940.02   3.86155 (14091624)   479770.37
3774940.02   3.89258 (14091624)
        479820.37   3774940.02   3.93117 (14091624)   479870.37
3774940.02   3.97010 (14091624)
        479920.37   3774940.02   4.00756 (14091624)   479970.37
3774940.02   4.04258 (14091624)
        477970.37   3774990.02   2.91721 (13052302)   478020.37
3774990.02   2.94249 (13052302)
        478070.37   3774990.02   2.96643 (13052302)   478120.37
3774990.02   3.01954 (16100301)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                    INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                 L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                 L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                 L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)

- -
478170.37 3774990.02 3.06418 (16100301) 478220.37
3774990.02 3.10140 (16100301)
478270.37 3774990.02 3.15301 (15091504) 478320.37
3774990.02 3.21594 (15091504)
478370.37 3774990.02 3.26868 (15091504) 478420.37
3774990.02 3.32553 (15091504)
478470.37 3774990.02 3.35791 (15091504) 478520.37
3774990.02 3.38556 (15091504)
478570.37 3774990.02 3.40871 (15091504) 478620.37
3774990.02 3.42436 (15091504)
478670.37 3774990.02 3.42795 (15091504) 478720.37
3774990.02 3.44459 (16021808)
478770.37 3774990.02 3.48700 (16021808) 478820.37
3774990.02 3.51170 (16021808)
478870.37 3774990.02 3.53025 (16021808) 478920.37
3774990.02 3.54010 (16021808)
478970.37 3774990.02 3.53805 (16021808) 479020.37
3774990.02 3.54921 (16021808)
479070.37 3774990.02 3.54334 (16021808) 479120.37
3774990.02 3.54296 (16021808)
479170.37 3774990.02 3.54822 (16021808) 479220.37
3774990.02 3.54406 (16021808)
479270.37 3774990.02 3.55815 (16021808) 479320.37
3774990.02 3.55810 (16021808)
479370.37 3774990.02 3.57633 (16021808) 479420.37
3774990.02 3.58667 (16021808)
479470.37 3774990.02 3.60453 (16021808) 479520.37
3774990.02 3.62526 (16021808)
479570.37 3774990.02 3.64643 (14091624) 479620.37
3774990.02 3.66714 (14091624)
479670.37 3774990.02 3.70002 (14091624) 479720.37
3774990.02 3.73125 (14091624)
479770.37 3774990.02 3.75687 (14091624) 479820.37
3774990.02 3.79353 (14091624)
479870.37 3774990.02 3.82449 (14091624) 479920.37
3774990.02 3.85144 (14091624)
479970.37 3774990.02 3.87271 (14091624) 477970.37
3775040.02 2.81568 (13052302)
478020.37 3775040.02 2.85749 (16100301) 478070.37
3775040.02 2.90482 (16100301)
478120.37 3775040.02 2.94916 (16100301) 478170.37
3775040.02 2.97988 (16100301)
478220.37 3775040.02 3.03384 (15091504) 478270.37
3775040.02 3.10189 (15091504)
478320.37 3775040.02 3.14817 (15091504) 478370.37
3775040.02 3.18507 (15091504)
478420.37 3775040.02 3.22666 (15091504) 478470.37
3775040.02 3.24585 (15091504)

```
        478520.37   3775040.02        3.26183  (15091504)               478570.37
3775040.02        3.27497  (15091504)
        478620.37   3775040.02        3.28248  (15091504)               478670.37
3775040.02        3.31170  (16021808)
        478720.37   3775040.02        3.34362  (16021808)               478770.37
3775040.02        3.37408  (16021808)
        478820.37   3775040.02        3.38999  (16021808)               478870.37
3775040.02        3.40879  (16021808)
        478920.37   3775040.02        3.40809  (16021808)               478970.37
3775040.02        3.40412  (16021808)
        479020.37   3775040.02        3.41380  (16021808)               479070.37
3775040.02        3.40803  (16021808)
        479120.37   3775040.02        3.40799  (16021808)               479170.37
3775040.02        3.41365  (16021808)
        479220.37   3775040.02        3.41054  (16021808)               479270.37
3775040.02        3.42487  (16021808)
        479320.37   3775040.02        3.42761  (14091624)               479370.37
3775040.02        3.44675  (14091624)
        479420.37   3775040.02        3.45997  (14091624)               479470.37
3775040.02        3.48000  (14091624)
        479520.37   3775040.02        3.49447  (14091624)               479570.37
3775040.02        3.52472  (14091624)
        479620.37   3775040.02        3.54669  (14091624)               479670.37
3775040.02        3.57710  (14091624)
        479720.37   3775040.02        3.60659  (14091624)               479770.37
3775040.02        3.62408  (14091624)
        479820.37   3775040.02        3.65731  (14091624)               479870.37
3775040.02        3.67869  (14091624)
        479920.37   3775040.02        3.69418  (16092018)               479970.37
3775040.02        3.73177  (16092018)
        477970.37   3775090.02        2.76189  (16100301)               478020.37
3775090.02        2.79872  (16100301)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE 220
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK2   ***
                                   INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                  L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
                  L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                  L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478070.37	3775090.02	2.83325	(16100301)	478120.37	3775090.02	2.87792	(15091504)
478170.37	3775090.02	2.93441	(15091504)	478220.37	3775090.02	2.98289	(15091504)
478270.37	3775090.02	3.03571	(15091504)	478320.37	3775090.02	3.06789	(15091504)
478370.37	3775090.02	3.09176	(15091504)	478420.37	3775090.02	3.12100	(15091504)
478470.37	3775090.02	3.12994	(15091504)	478520.37	3775090.02	3.13705	(15091504)
478570.37	3775090.02	3.14930	(13050502)	478620.37	3775090.02	3.18520	(16021808)
478670.37	3775090.02	3.22125	(16021808)	478720.37	3775090.02	3.24227	(16021808)
478770.37	3775090.02	3.25626	(16021808)	478820.37	3775090.02	3.27366	(16021808)
478870.37	3775090.02	3.28787	(16021808)	478920.37	3775090.02	3.28490	(16021808)
478970.37	3775090.02	3.27990	(16021808)	479020.37	3775090.02	3.28866	(16021808)
479070.37	3775090.02	3.28318	(16021808)	479120.37	3775090.02	3.28345	(16021808)
479170.37	3775090.02	3.28928	(16021808)	479220.37	3775090.02	3.29058	(14091624)
479270.37	3775090.02	3.30696	(14091624)	479320.37	3775090.02	3.31259	(14091624)
479370.37	3775090.02	3.33249	(14091624)	479420.37	3775090.02	3.34318	(14091624)
479470.37	3775090.02	3.36751	(14091624)	479520.37	3775090.02	3.38252	(14091624)
479570.37	3775090.02	3.40449	(14091624)	479620.37	3775090.02	3.43261	(14091624)
479670.37	3775090.02	3.45304	(14091624)	479720.37	3775090.02	3.48482	(14091624)
479770.37	3775090.02	3.50423	(14091624)	479820.37	3775090.02	3.52086	(14091624)
479870.37	3775090.02	3.53993	(16092018)	479920.37	3775090.02	3.57637	(16092018)
479970.37	3775090.02	3.60414	(16092018)	477970.37			

3775140.02 2.70078 (16100301)
  478020.37 3775140.02 2.72625 (16100301) 478070.37
3775140.02 2.78332 (15091504)
  478120.37 3775140.02 2.84055 (15091504) 478170.37
3775140.02 2.88333 (15091504)
  478220.37 3775140.02 2.91854 (15091504) 478270.37
3775140.02 2.95831 (15091504)
  478320.37 3775140.02 2.97879 (15091504) 478370.37
3775140.02 2.99213 (15091504)
  478420.37 3775140.02 3.01152 (15091504) 478470.37
3775140.02 3.01259 (15091504)
  478520.37 3775140.02 3.02747 (13050502) 478570.37
3775140.02 3.06403 (16021808)
  478620.37 3775140.02 3.10395 (16021808) 478670.37
3775140.02 3.12949 (16021808)
  478720.37 3775140.02 3.14240 (16021808) 478770.37
3775140.02 3.14838 (16021808)
  478820.37 3775140.02 3.16306 (16021808) 478870.37
3775140.02 3.16812 (16021808)
  478920.37 3775140.02 3.16974 (16021808) 478970.37
3775140.02 3.16419 (16021808)
  479020.37 3775140.02 3.17227 (16021808) 479070.37
3775140.02 3.16701 (16021808)
  479120.37 3775140.02 3.17042 (14091624) 479170.37
3775140.02 3.18063 (14091624)
  479220.37 3775140.02 3.18385 (14091624) 479270.37
3775140.02 3.20058 (14091624)
  479320.37 3775140.02 3.20714 (14091624) 479370.37
3775140.02 3.22741 (14091624)
  479420.37 3775140.02 3.23781 (14091624) 479470.37
3775140.02 3.25712 (14091624)
  479520.37 3775140.02 3.27715 (14091624) 479570.37
3775140.02 3.29530 (14091624)
  479620.37 3775140.02 3.32237 (14091624) 479670.37
3775140.02 3.33856 (14091624)
  479720.37 3775140.02 3.36400 (14091624) 479770.37
3775140.02 3.37688 (16092018)
  479820.37 3775140.02 3.40575 (16092018) 479870.37
3775140.02 3.43169 (16092018)
  479920.37 3775140.02 3.45886 (16092018) 479970.37
3775140.02 3.47219 (16092018)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TRUCK2   ***
                                INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        477970.37   3775190.02   2.64634 (15091504)   478020.37
3775190.02   2.69686 (15091504)
        478070.37   3775190.02   2.74473 (15091504)   478120.37
3775190.02   2.78937 (15091504)
        478170.37   3775190.02   2.82018 (15091504)   478220.37
3775190.02   2.84405 (15091504)
        478270.37   3775190.02   2.87284 (15091504)   478320.37
3775190.02   2.88380 (15091504)
        478370.37   3775190.02   2.88874 (15091504)   478420.37
3775190.02   2.90565 (13050502)
        478470.37   3775190.02   2.91779 (13050502)   478520.37
3775190.02   2.95238 (16021808)
        478570.37   3775190.02   2.99085 (16021808)   478620.37
3775190.02   3.02066 (16021808)
        478670.37   3775190.02   3.03818 (16021808)   478720.37
3775190.02   3.04513 (16021808)
        478770.37   3775190.02   3.04686 (16021808)   478820.37
3775190.02   3.05813 (16021808)
        478870.37   3775190.02   3.05421 (16021808)   478920.37
3775190.02   3.06164 (16021808)
        478970.37   3775190.02   3.05573 (16021808)   479020.37
3775190.02   3.06310 (16021808)
        479070.37   3775190.02   3.06501 (14091624)   479120.37
3775190.02   3.07132 (14091624)
        479170.37   3775190.02   3.08162 (14091624)   479220.37
3775190.02   3.08544 (14091624)
        479270.37   3775190.02   3.10234 (14091624)   479320.37
3775190.02   3.10942 (14091624)
        479370.37   3775190.02   3.12952 (14091624)   479420.37
3775190.02   3.13975 (14091624)

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        479470.37   3775190.02        3.15143  (14091624)               479520.37
3775190.02        3.17611  (14091624)
        479570.37   3775190.02        3.18900  (14091624)               479620.37
3775190.02        3.21401  (14091624)
        479670.37   3775190.02        3.22480  (14091624)               479720.37
3775190.02        3.25403  (16092018)
        479770.37   3775190.02        3.28055  (16092018)               479820.37
3775190.02        3.30397  (16092018)
        479870.37   3775190.02        3.32592  (16092018)               479920.37
3775190.02        3.34120  (16092018)
        479970.37   3775190.02        3.34752  (16092018)               477970.37
3775240.02        2.61809  (15091504)
        478020.37   3775240.02        2.65717  (15091504)               478070.37
3775240.02        2.69371  (15091504)
        478120.37   3775240.02        2.72729  (15091504)               478170.37
3775240.02        2.74781  (15091504)
        478220.37   3775240.02        2.76217  (15091504)               478270.37
3775240.02        2.78183  (15091504)
        478320.37   3775240.02        2.78510  (15091504)               478370.37
3775240.02        2.79719  (13050502)
        478420.37   3775240.02        2.81922  (13050502)               478470.37
3775240.02        2.85234  (16021808)
        478520.37   3775240.02        2.88612  (16021808)               478570.37
3775240.02        2.91508  (16021808)
        478620.37   3775240.02        2.93051  (16021808)               478670.37
3775240.02        2.94845  (16021808)
        478720.37   3775240.02        2.95102  (16021808)               478770.37
3775240.02        2.94972  (16021808)
        478820.37   3775240.02        2.95845  (16021808)               478870.37
3775240.02        2.95334  (16021808)
        478920.37   3775240.02        2.95953  (16021808)               478970.37
3775240.02        2.95701  (14091624)
        479020.37   3775240.02        2.97066  (14091624)               479070.37
3775240.02        2.97306  (14091624)
        479120.37   3775240.02        2.97936  (14091624)               479170.37
3775240.02        2.98972  (14091624)
        479220.37   3775240.02        2.99393  (14091624)               479270.37
3775240.02        3.01065  (14091624)
        479320.37   3775240.02        3.01774  (14091624)               479370.37
3775240.02        3.03699  (14091624)
        479420.37   3775240.02        3.04622  (14091624)               479470.37
3775240.02        3.06531  (14091624)
        479520.37   3775240.02        3.07761  (14091624)               479570.37
3775240.02        3.09009  (14091624)
        479620.37   3775240.02        3.11241  (16092018)               479670.37
3775240.02        3.13828  (16092018)
        479720.37   3775240.02        3.16347  (16092018)               479770.37
3775240.02        3.18543  (16092018)
        479820.37   3775240.02        3.20258  (16092018)               479870.37
3775240.02        3.21696  (16092018)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479920.37	3775240.02	3.22330	(16092018)	479970.37	3775240.02	3.22002	(16092018)
477970.37	3775290.02	2.56773	(15091504)	478020.37	3775290.02	2.60621	(15091504)
478070.37	3775290.02	2.63278	(15091504)	478120.37	3775290.02	2.65678	(15091504)
478170.37	3775290.02	2.66862	(15091504)	478220.37	3775290.02	2.67508	(15091504)
478270.37	3775290.02	2.69103	(13050502)	478320.37	3775290.02	2.70644	(13050502)
478370.37	3775290.02	2.71591	(13050502)	478420.37	3775290.02	2.76303	(16021808)
478470.37	3775290.02	2.79195	(16021808)	478520.37	3775290.02	2.81687	(16021808)
478570.37	3775290.02	2.83826	(16021808)	478620.37	3775290.02	2.84618	(16021808)
478670.37	3775290.02	2.86090	(16021808)	478720.37	3775290.02	2.86024	(16021808)
478770.37	3775290.02	2.85671	(16021808)	478820.37	3775290.02	2.85985	(16021808)
478870.37	3775290.02	2.85735	(16021808)	478920.37			

3775290.02 2.86878 (14091624)
478970.37 3775290.02 2.87221 (14091624) 479020.37
3775290.02 2.88493 (14091624)
479070.37 3775290.02 2.88722 (14091624) 479120.37
3775290.02 2.89349 (14091624)
479170.37 3775290.02 2.90372 (14091624) 479220.37
3775290.02 2.90797 (14091624)
479270.37 3775290.02 2.92406 (14091624) 479320.37
3775290.02 2.93053 (14091624)
479370.37 3775290.02 2.94822 (14091624) 479420.37
3775290.02 2.95561 (14091624)
479470.37 3775290.02 2.97385 (14091624) 479520.37
3775290.02 2.98532 (16092018)
479570.37 3775290.02 3.01302 (16092018) 479620.37
3775290.02 3.03040 (16092018)
479670.37 3775290.02 3.05481 (16092018) 479720.37
3775290.02 3.07133 (16092018)
479770.37 3775290.02 3.09067 (16092018) 479820.37
3775290.02 3.10106 (16092018)
479870.37 3775290.02 3.10764 (16092018) 479920.37
3775290.02 3.09987 (16092018)
479970.37 3775290.02 3.09484 (16092018) 477970.37
3775340.02 2.51703 (15091504)
478020.37 3775340.02 2.54620 (15091504) 478070.37
3775340.02 2.56068 (15091504)
478120.37 3775340.02 2.57993 (15091504) 478170.37
3775340.02 2.58451 (15091504)
478220.37 3775340.02 2.59722 (13050502) 478270.37
3775340.02 2.61970 (13050502)
478320.37 3775340.02 2.63310 (16021808) 478370.37
3775340.02 2.66895 (16021808)
478420.37 3775340.02 2.70759 (16021808) 478470.37
3775340.02 2.72824 (16021808)
478520.37 3775340.02 2.74603 (16021808) 478570.37
3775340.02 2.76145 (16021808)
478620.37 3775340.02 2.76489 (16021808) 478670.37
3775340.02 2.77489 (16021808)
478720.37 3775340.02 2.77265 (16021808) 478770.37
3775340.02 2.76739 (16021808)
478820.37 3775340.02 2.77238 (16021808) 478870.37
3775340.02 2.77623 (14091624)
478920.37 3775340.02 2.78984 (14091624) 478970.37
3775340.02 2.79245 (14091624)
479020.37 3775340.02 2.80442 (14091624) 479070.37
3775340.02 2.80657 (14091624)
479120.37 3775340.02 2.81262 (14091624) 479170.37
3775340.02 2.82243 (14091624)
479220.37 3775340.02 2.82628 (14091624) 479270.37
3775340.02 2.84122 (14091624)
479320.37 3775340.02 2.84643 (14091624) 479370.37

3775340.02 2.86184 (14091624)
479420.37 3775340.02 2.87246 (16092018) 479470.37
3775340.02 2.89591 (16092018)
479520.37 3775340.02 2.90987 (16092018) 479570.37
3775340.02 2.93551 (16092018)
479620.37 3775340.02 2.95025 (16092018) 479670.37
3775340.02 2.97074 (16092018)
479720.37 3775340.02 2.98257 (16092018) 479770.37
3775340.02 2.99576 (16092018)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479820.37	3775340.02	2.99916	(16092018)	479870.37	3775340.02	2.99795	(16092018)
479920.37	3775340.02	2.98216	(16092018)	479970.37	3775340.02	3.00228	(13021808)
477970.37	3775390.02	2.45805	(15091504)	478020.37	3775390.02	2.47908	(15091504)
478070.37	3775390.02	2.48627	(15091504)	478120.37	3775390.02	2.50098	(13050502)
478170.37	3775390.02	2.51846	(13050502)	478220.37	3775390.02	2.53048	(13050502)
478270.37	3775390.02	2.54690	(16021808)	478320.37	3775390.02	2.59113	(16021808)

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        478370.37   3775390.02        2.61813  (16021808)               478420.37
3775390.02        2.64861  (16021808)
        478470.37   3775390.02        2.66253  (16021808)               478520.37
3775390.02        2.67160  (16021808)
        478570.37   3775390.02        2.68527  (16021808)               478620.37
3775390.02        2.68522  (16021808)
        478670.37   3775390.02        2.69154  (16021808)               478720.37
3775390.02        2.68792  (16021808)
        478770.37   3775390.02        2.68151  (14091624)               478820.37
3775390.02        2.69822  (14091624)
        478870.37   3775390.02        2.70296  (14091624)               478920.37
3775390.02        2.71512  (14091624)
        478970.37   3775390.02        2.71708  (14091624)               479020.37
3775390.02        2.72833  (14091624)
        479070.37   3775390.02        2.73018  (14091624)               479120.37
3775390.02        2.73575  (14091624)
        479170.37   3775390.02        2.74477  (14091624)               479220.37
3775390.02        2.74773  (14091624)
        479270.37   3775390.02        2.76329  (16092018)               479320.37
3775390.02        2.77174  (16092018)
        479370.37   3775390.02        2.79136  (16092018)               479420.37
3775390.02        2.80218  (16092018)
        479470.37   3775390.02        2.82440  (16092018)               479520.37
3775390.02        2.83679  (16092018)
        479570.37   3775390.02        2.85426  (16092018)               479620.37
3775390.02        2.87119  (16092018)
        479670.37   3775390.02        2.88883  (16092018)               479720.37
3775390.02        2.89365  (16092018)
        479770.37   3775390.02        2.90042  (16092018)               479820.37
3775390.02        2.89684  (16092018)
        479870.37   3775390.02        2.88802  (16092018)               479920.37
3775390.02        2.89737  (13021808)
        479970.37   3775390.02        2.91681  (13021808)               477970.37
3775440.02        2.39232  (15091504)
        478020.37   3775440.02        2.40359  (15091504)               478070.37
3775440.02        2.41929  (13050502)
        478120.37   3775440.02        2.43487  (13050502)               478170.37
3775440.02        2.45433  (13050502)
        478220.37   3775440.02        2.47539  (16021808)               478270.37
3775440.02        2.50828  (16021808)
        478320.37   3775440.02        2.54264  (16021808)               478370.37
3775440.02        2.56360  (16021808)
        478420.37   3775440.02        2.57736  (16021808)               478470.37
3775440.02        2.59576  (16021808)
        478520.37   3775440.02        2.59961  (16021808)               478570.37
3775440.02        2.61007  (16021808)
        478620.37   3775440.02        2.60722  (16021808)               478670.37
3775440.02        2.60568  (16021808)
        478720.37   3775440.02        2.60736  (14091624)               478770.37
3775440.02        2.61551  (14091624)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478820.37	3775440.02	2.62981	(14091624)	478870.37	3775440.02	2.64198	(14091624)
478920.37	3775440.02	2.64408	(14091624)	478970.37	3775440.02	2.64543	(14091624)
479020.37	3775440.02	2.65586	(14091624)	479070.37	3775440.02	2.65717	(14091624)
479120.37	3775440.02	2.66225	(16092018)	479170.37	3775440.02	2.67416	(16092018)
479220.37	3775440.02	2.68039	(16092018)	479270.37	3775440.02	2.69736	(16092018)
479320.37	3775440.02	2.70574	(16092018)	479370.37	3775440.02	2.72465	(16092018)
479420.37	3775440.02	2.73459	(16092018)	479470.37	3775440.02	2.75501	(16092018)
479520.37	3775440.02	2.76519	(16092018)	479570.37	3775440.02	2.77800	(16092018)
479620.37	3775440.02	2.79243	(16092018)	479670.37	3775440.02	2.80561	(16092018)
479720.37	3775440.02	2.80624	(16092018)	479770.37	3775440.02	2.80148	(16092018)
479820.37	3775440.02	2.79575	(16092018)	479870.37			

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3775440.02        2.79833  (13021808)
        479920.37   3775440.02        2.81926  (13021808)                479970.37
3775440.02        2.83756  (16121606)
        477970.37   3775490.02        2.32350  (13050502)                478020.37
3775490.02        2.34186  (13050502)
        478070.37   3775490.02        2.36351  (13050502)                478120.37
3775490.02        2.37316  (13050502)
        478170.37   3775490.02        2.40523  (16021808)                478220.37
3775490.02        2.43960  (16021808)
        478270.37   3775490.02        2.46458  (16021808)                478320.37
3775490.02        2.49003  (16021808)
        478370.37   3775490.02        2.50647  (16021808)                478420.37
3775490.02        2.51493  (16021808)
        478470.37   3775490.02        2.52855  (16021808)                478520.37
3775490.02        2.52877  (16021808)
        478570.37   3775490.02        2.53592  (16021808)                478620.37
3775490.02        2.53074  (16021808)
        478670.37   3775490.02        2.53134  (14091624)                478720.37
3775490.02        2.54604  (14091624)
        478770.37   3775490.02        2.55185  (14091624)                478820.37
3775490.02        2.56419  (14091624)
        478870.37   3775490.02        2.57491  (14091624)                478920.37
3775490.02        2.57615  (14091624)
        478970.37   3775490.02        2.57682  (14091624)                479020.37
3775490.02        2.58624  (14091624)
        479070.37   3775490.02        2.59150  (16092018)                479120.37
3775490.02        2.60018  (16092018)
        479170.37   3775490.02        2.61194  (16092018)                479220.37
3775490.02        2.61817  (16092018)
        479270.37   3775490.02        2.63468  (16092018)                479320.37
3775490.02        2.64260  (16092018)
        479370.37   3775490.02        2.66033  (16092018)                479420.37
3775490.02        2.66888  (16092018)
        479470.37   3775490.02        2.68693  (16092018)                479520.37
3775490.02        2.69436  (16092018)
        479570.37   3775490.02        2.70354  (16092018)                479620.37
3775490.02        2.71341  (16092018)
        479670.37   3775490.02        2.72121  (16092018)                479720.37
3775490.02        2.71843  (16092018)
        479770.37   3775490.02        2.70531  (16092018)                479820.37
3775490.02        2.71372  (13021808)
        479870.37   3775490.02        2.72779  (13021808)                479920.37
3775490.02        2.74460  (16121606)
        479970.37   3775490.02        2.82605  (15101020)                477970.37
3775540.02        2.27678  (13050502)
        478020.37   3775540.02        2.28863  (13050502)                478070.37
3775540.02        2.29910  (13050502)
        478120.37   3775540.02        2.33586  (16021808)                478170.37
3775540.02        2.36702  (16021808)
        478220.37   3775540.02        2.39880  (16021808)                478270.37
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3775540.02   2.41709 (16021808)
        478320.37   3775540.02   2.43131 (16021808)   478370.37
3775540.02   2.44757 (16021808)
        478420.37   3775540.02   2.45145 (16021808)   478470.37
3775540.02   2.45888 (16021808)
        478520.37   3775540.02   2.45847 (16021808)   478570.37
3775540.02   2.46278 (16021808)
        478620.37   3775540.02   2.46172 (14091624)   478670.37
3775540.02   2.47213 (14091624)
        478720.37   3775540.02   2.48646 (14091624)   478770.37
3775540.02   2.49037 (14091624)
        478820.37   3775540.02   2.50103 (14091624)   478870.37
3775540.02   2.50387 (14091624)
        478920.37   3775540.02   2.51077 (14091624)   478970.37
3775540.02   2.51254 (16092018)
        479020.37   3775540.02   2.52746 (16092018)   479070.37
3775540.02   2.53298 (16092018)
        479120.37   3775540.02   2.54142 (16092018)   479170.37
3775540.02   2.55284 (16092018)
        479220.37   3775540.02   2.55882 (16092018)   479270.37
3775540.02   2.57452 (16092018)
        479320.37   3775540.02   2.58157 (16092018)   479370.37
3775540.02   2.59767 (16092018)
        479420.37   3775540.02   2.60432 (16092018)   479470.37
3775540.02   2.61952 (16092018)
        479520.37   3775540.02   2.62375 (16092018)   479570.37
3775540.02   2.62890 (16092018)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TRUCK2   ***
                                   INCLUDING SOURCE(S):   L0002692   , L0002693
, L0002694   , L0002695   , L0002696   ,
                L0002697   , L0002698   , L0002699   , L0002700   , L0002701
, L0002702   , L0002703   , L0002704   ,
                L0002705   , L0002706   , L0002707   , L0002708   , L0002709
, L0002710   , L0002711   , L0002712   ,
                L0002713   , L0002714   , L0002715   , L0002716   , L0002717
, L0002718   , L0002719   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479620.37	3775540.02	2.63393	(16092018)	479670.37	3775540.02	2.63621	(16092018)
479720.37	3775540.02	2.62801	(14040103)	479770.37	3775540.02	2.63057	(13021808)
479820.37	3775540.02	2.64723	(13021808)	479870.37	3775540.02	2.65790	(16121606)
479920.37	3775540.02	2.69750	(16111019)	479970.37	3775540.02	2.82321	(15101020)
478861.36	3774619.36	4.94172	(15091504)	478791.49	3774517.73	5.39998	(13052302)
478789.65	3774444.30	5.98414	(16111017)	478748.80	3774449.81	5.84775	(16111017)
479103.48	3774681.38	4.72341	(16021808)	479094.51	3774696.20	4.64738	(16021808)
479077.34	3774696.98	4.63953	(16021808)	479101.53	3774731.70	4.47801	(16021808)
479782.92	3774151.51	16.48835	(13062606)	479890.06	3774169.23	15.09537	(13062606)
479890.06	3774137.17	17.95687	(13062606)	479913.68	3774138.01	17.84207	(13062606)
479911.15	3774168.38	15.16316	(13062606)	479885.84	3774064.62	32.20725	(13062606)
480398.50	3774179.13	16.03011	(13100907)	480448.50	3774179.13	16.51452	(14082722)
480498.50	3774179.13	17.31803	(14082722)	479998.50	3774229.13	11.75663	(13062606)
480048.50	3774229.13	11.79407	(13062606)	480098.50	3774229.13	11.82946	(13062606)
480148.50	3774229.13	11.86629	(13062606)	480198.50	3774229.13	11.91478	(13062606)
480248.50	3774229.13	12.03198	(13070921)	480298.50	3774229.13	13.39730	(13070921)
480348.50	3774229.13	13.97194	(13070921)	480398.50	3774229.13	14.53082	(13070921)
480448.50	3774229.13	14.46726	(13070921)	480498.50	3774229.13	15.69924	(15082519)
479998.50	3774279.13	9.91765	(13062606)	480048.50	3774279.13	9.98330	(13062606)
480098.50	3774279.13	10.04747	(13062606)	480148.50	3774279.13	10.11311	(13062606)
480198.50	3774279.13	10.74073	(12081122)	480248.50	3774279.13	10.71245	(12081122)
480298.50	3774279.13	11.97578	(12081122)	480348.50	3774279.13	12.74861	(12081122)

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        480398.50   3774279.13       13.13920  (12081122)                480448.50
3774279.13       12.98674  (13070921)
        480498.50   3774279.13       13.68608  (13070921)                479998.50
3774329.13        8.55933  (13062606)
        480048.50   3774329.13        8.63855  (13062606)                480098.50
3774329.13        8.83793  (14071406)
        480148.50   3774329.13        8.79646  (13062606)                480198.50
3774329.13        9.77300  (13090822)
        480248.50   3774329.13        9.62441  (15100820)                480298.50
3774329.13       10.74673  (13090822)
        480348.50   3774329.13       10.89508  (15100820)                480398.50
3774329.13       11.56200  (15100820)
        480448.50   3774329.13       11.81884  (12081122)                480498.50
3774329.13       12.31844  (12081122)
        479998.50   3774379.13        7.50953  (13062606)                480048.50
3774379.13        7.69605  (12071219)
        480098.50   3774379.13        7.99041  (14071406)                480148.50
3774379.13        7.91920  (14071406)
        480198.50   3774379.13        8.87083  (14071406)                480248.50
3774379.13        8.76555  (14090823)
        480298.50   3774379.13        9.77258  (14090823)                480348.50
3774379.13        9.93734  (14090823)
        480398.50   3774379.13        9.82368  (13090822)                480448.50
3774379.13       10.71110  (13090822)
        480498.50   3774379.13       11.12686  (13090822)                479998.50
3774429.13        6.84741  (16111020)
        480048.50   3774429.13        7.20232  (12071219)                480098.50
3774429.13        7.28441  (12071219)
        480148.50   3774429.13        7.90486  (13012217)                480198.50
3774429.13        8.10107  (12071222)
        480248.50   3774429.13        8.02308  (14071406)                480298.50
3774429.13        8.85665  (12071222)
        480348.50   3774429.13        9.00114  (12091420)                480398.50
3774429.13        9.60669  (14090823)
        480448.50   3774429.13        9.81698  (14090823)                480498.50
3774429.13       10.18480  (14090823)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                  PAGE 226
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK2   ***
                                  INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
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                 L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                 L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        479998.50   3774479.13        6.37141  (16100301)               480048.50
3774479.13        6.70016  (12071219)
        480098.50   3774479.13        6.72044  (12071219)               480148.50
3774479.13        7.27332  (14040821)
        480198.50   3774479.13        7.44772  (13012217)               480248.50
3774479.13        7.39009  (13012217)
        480298.50   3774479.13        8.31260  (13012217)               480348.50
3774479.13        8.28802  (12071222)
        480398.50   3774479.13        8.87698  (12081324)               480448.50
3774479.13        8.87442  (15100821)
        480498.50   3774479.13        9.29881  (15100821)               479998.50
3774529.13        6.01934  (15091504)
        480048.50   3774529.13        6.12362  (15091504)               480098.50
3774529.13        6.60381  (15081622)
        480148.50   3774529.13        6.93643  (15081622)               480198.50
3774529.13        6.81791  (14040821)
        480248.50   3774529.13        7.28900  (14040821)               480298.50
3774529.13        7.64795  (14040821)
        480348.50   3774529.13        7.76012  (13012217)               480398.50
3774529.13        8.18057  (12081324)
        480448.50   3774529.13        8.23825  (12081324)               480498.50
3774529.13        8.79111  (12081324)
        479998.50   3774579.13        5.69513  (15091504)               480048.50
3774579.13        5.77933  (15091504)
        480098.50   3774579.13        6.38997  (16091921)               480148.50
3774579.13        6.46834  (15081622)
        480198.50   3774579.13        6.37918  (15081622)               480248.50
3774579.13        7.24199  (15081622)
        480298.50   3774579.13        7.13908  (15081622)               480348.50
3774579.13        7.57331  (15081622)
        480398.50   3774579.13        7.60659  (12071323)               480448.50
3774579.13        7.89193  (12071323)
        480498.50   3774579.13        8.08340  (12071323)               479998.50
3774629.13        5.36610  (15091504)
        480048.50   3774629.13        5.64787  (16072601)               480098.50
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3774629.13        5.98002  (13020223)
        480148.50   3774629.13        5.96151  (16091921)                480198.50
3774629.13        6.56060  (16091921)
        480248.50   3774629.13        6.72945  (15081622)                480298.50
3774629.13        7.13597  (15081622)
        480348.50   3774629.13        7.22752  (15081622)                480398.50
3774629.13        7.14183  (15081622)
        480448.50   3774629.13        7.53171  (15081622)                480498.50
3774629.13        7.74656  (13082824)
        479998.50   3774679.13        5.08775  (16021808)                480048.50
3774679.13        5.31580  (16102719)
        480098.50   3774679.13        5.57181  (13020223)                480148.50
3774679.13        5.91077  (13020223)
        480198.50   3774679.13        6.26411  (13020223)                480248.50
3774679.13        6.36932  (16091921)
        480298.50   3774679.13        6.72421  (16091921)                480348.50
3774679.13        6.77408  (16091921)
        480398.50   3774679.13        7.10156  (15081622)                480448.50
3774679.13        7.18578  (15081622)
        480498.50   3774679.13        7.43071  (15081622)                479998.50
3774729.13        4.86818  (16021808)
        480048.50   3774729.13        5.16206  (15062006)                480098.50
3774729.13        5.21320  (16102719)
        480148.50   3774729.13        5.69812  (16102719)                480198.50
3774729.13        5.83490  (13020223)
        480248.50   3774729.13        6.22710  (13020223)                480298.50
3774729.13        6.26783  (13020223)
        480348.50   3774729.13        6.43183  (16091921)                480398.50
3774729.13        6.65279  (16091921)
        480448.50   3774729.13        6.84282  (16091921)                480498.50
3774729.13        6.97563  (15081622)
        479998.50   3774779.13        4.64512  (16021808)                480048.50
3774779.13        4.97277  (15062006)
        480098.50   3774779.13        4.88746  (15062006)                480148.50
3774779.13        5.33259  (14083103)
        480198.50   3774779.13        5.63771  (14083103)                480248.50
3774779.13        5.85397  (14083103)
        480298.50   3774779.13        5.88547  (13020223)                480348.50
3774779.13        6.20412  (13020223)
        480398.50   3774779.13        6.23608  (16091921)                480448.50
3774779.13        6.48038  (16091921)
        480498.50   3774779.13        6.54304  (16091921)                479998.50
3774829.13        4.43698  (14091624)
        480048.50   3774829.13        4.69375  (15062006)                480098.50
3774829.13        4.67352  (15062006)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480148.50	3774829.13	5.03049	(15062006)	480198.50	3774829.13	5.27544	(14083103)
480248.50	3774829.13	5.52571	(14083103)	480298.50	3774829.13	5.51133	(14083103)
480348.50	3774829.13	5.81197	(13020223)	480398.50	3774829.13	5.86331	(13020223)
480448.50	3774829.13	6.11758	(13082422)	480498.50	3774829.13	6.22385	(16091921)
479998.50	3774879.13	4.28550	(16111018)	480048.50	3774879.13	4.40107	(15062006)
480098.50	3774879.13	4.44245	(15062006)	480148.50	3774879.13	4.78085	(15062006)
480198.50	3774879.13	4.91641	(15080323)	480248.50	3774879.13	5.16831	(14083103)
480298.50	3774879.13	5.22655	(14083103)	480348.50	3774879.13	5.51786	(14083103)
480398.50	3774879.13	5.69059	(14083103)	480448.50	3774879.13	5.77178	(13020223)
480498.50	3774879.13	5.85528	(13020223)	479998.50	3774929.13	4.09237	(14091624)
480048.50	3774929.13	4.12415	(16111018)	480098.50	3774929.13	4.19654	(15062006)
480148.50	3774929.13	4.60126	(15060920)	480198.50	3774929.13	4.61194	(15062006)
480248.50	3774929.13	4.86155	(15080323)	480298.50	3774929.13	4.92557	(14083103)

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        480348.50   3774929.13        5.22509  (14083103)               480398.50
3774929.13        5.45512  (14083103)
        480448.50   3774929.13        5.45956  (14083103)               480498.50
3774929.13        5.65432  (15102518)
        479998.50   3774979.13        3.91461  (14091624)               480048.50
3774979.13        3.95923  (16092018)
        480098.50   3774979.13        3.99451  (16092018)               480148.50
3774979.13        4.36839  (15060920)
        480198.50   3774979.13        4.38550  (15062006)               480248.50
3774979.13        4.64335  (15080323)
        480298.50   3774979.13        4.63684  (13052505)               480348.50
3774979.13        4.92107  (14083103)
        480398.50   3774979.13        5.16491  (14083103)               480448.50
3774979.13        5.20688  (14083103)
        480498.50   3774979.13        5.38335  (14083103)               479998.50
3775029.13        3.77765  (16092018)
        480048.50   3775029.13        3.81223  (16092018)               480098.50
3775029.13        3.83227  (16092018)
        480148.50   3775029.13        4.16292  (16092022)               480198.50
3775029.13        4.16598  (15060920)
        480248.50   3775029.13        4.41696  (15080323)               480298.50
3775029.13        4.44036  (15080323)
        480348.50   3775029.13        4.65794  (14092506)               480398.50
3775029.13        4.87406  (14073003)
        480448.50   3775029.13        4.94524  (14083103)               480498.50
3775029.13        5.13468  (14083103)
        479998.50   3775079.13        3.64390  (16092018)               480048.50
3775079.13        3.66530  (16092018)
        480098.50   3775079.13        3.67120  (16092018)               480148.50
3775079.13        3.96487  (16062706)
        480198.50   3775079.13        3.96124  (15060920)               480248.50
3775079.13        3.98883  (15062006)
        480298.50   3775079.13        4.24154  (15080323)               480348.50
3775079.13        4.46245  (15080323)
        480398.50   3775079.13        4.66459  (14092506)               480448.50
3775079.13        4.77602  (14073003)
        480498.50   3775079.13        4.89710  (14083103)               479998.50
3775129.13        3.51049  (16092018)
        480048.50   3775129.13        3.51890  (16092018)               480098.50
3775129.13        3.51203  (16092018)
        480148.50   3775129.13        3.81945  (16062706)               480198.50
3775129.13        3.84813  (16062706)
        480248.50   3775129.13        3.87371  (15060920)               480298.50
3775129.13        4.05534  (15060920)
        480348.50   3775129.13        4.35461  (16092022)               480398.50
3775129.13        4.47611  (14092506)
        480448.50   3775129.13        4.59087  (14092506)               480498.50
3775129.13        4.68020  (13090824)
        479998.50   3775179.13        3.37921  (16092018)               480048.50
3775179.13        3.37354  (16092018)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480098.50	3775179.13	3.60691	(16062706)	480148.50	3775179.13	3.67122	(16062706)
480198.50	3775179.13	3.76661	(16062706)	480248.50	3775179.13	3.89286	(16092022)
480298.50	3775179.13	4.08772	(16092022)	480348.50	3775179.13	4.28971	(16092022)
480398.50	3775179.13	4.28765	(16090206)	480448.50	3775179.13	4.50021	(14092506)
480498.50	3775179.13	4.58268	(14092506)	479998.50	3775229.13	3.24574	(16092018)
480048.50	3775229.13	3.24940	(13021808)	480098.50	3775229.13	3.47082	(16062706)
480148.50	3775229.13	3.52051	(16062706)	480198.50	3775229.13	3.60945	(16062706)
480248.50	3775229.13	3.69946	(12112418)	480298.50	3775229.13	3.94957	(16092022)
480348.50	3775229.13	4.14499	(16092022)	480398.50	3775229.13	4.28367	(16092022)
480448.50	3775229.13	4.34891	(16090206)	480498.50	3775229.13	4.40509	(14092506)
479998.50	3775279.13	3.12459	(13021808)	480048.50			

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3775279.13        3.14902  (13021808)
        480098.50   3775279.13        3.33263  (15100822)                480148.50
3775279.13        3.36788  (16062706)
        480198.50   3775279.13        3.48589  (16062706)                480248.50
3775279.13        3.58912  (16062706)
        480298.50   3775279.13        3.73497  (12112418)                480348.50
3775279.13        4.01191  (12112418)
        480398.50   3775279.13        4.12803  (16092022)                480448.50
3775279.13        4.23633  (16092022)
        480498.50   3775279.13        4.26714  (16090206)                479998.50
3775329.13        3.03379  (13021808)
        480048.50   3775329.13        3.05307  (16121606)                480098.50
3775329.13        3.20397  (15100822)
        480148.50   3775329.13        3.21409  (16062706)                480198.50
3775329.13        3.41627  (16062706)
        480248.50   3775329.13        3.46187  (16062706)                480298.50
3775329.13        3.75039  (14092604)
        480348.50   3775329.13        3.84659  (12112418)                480398.50
3775329.13        4.02793  (12112418)
        480448.50   3775329.13        4.08480  (16092022)                480498.50
3775329.13        4.17454  (16092022)
        479998.50   3775379.13        2.94401  (13021808)                480048.50
3775379.13        3.02338  (16092620)
        480098.50   3775379.13        3.11386  (16092620)                480148.50
3775379.13        3.07431  (15100822)
        480198.50   3775379.13        3.38288  (15100822)                480248.50
3775379.13        3.49834  (14092604)
        480298.50   3775379.13        3.72594  (14092604)                480348.50
3775379.13        3.82622  (14092604)
        480398.50   3775379.13        3.90600  (16111521)                480448.50
3775379.13        3.98552  (12112418)
        480498.50   3775379.13        4.07046  (16092022)                479998.50
3775429.13        2.94044  (15101020)
        480048.50   3775429.13        3.03149  (16092620)                480098.50
3775429.13        3.01890  (16092620)
        480148.50   3775429.13        3.15505  (16092620)                480198.50
3775429.13        3.31114  (15100822)
        480248.50   3775429.13        3.55846  (15100822)                480298.50
3775429.13        3.66406  (12091722)
        480348.50   3775429.13        3.80570  (12091722)                480398.50
3775429.13        3.88411  (12091722)
        480448.50   3775429.13        3.86542  (16111521)                480498.50
3775429.13        3.95069  (16092022)
        479998.50   3775479.13        2.91103  (15101020)                480048.50
3775479.13        2.93598  (15101020)
        480098.50   3775479.13        2.92431  (16092620)                480148.50
3775479.13        3.11508  (16092620)
        480198.50   3775479.13        3.33215  (14072901)                480248.50
3775479.13        3.53129  (15100822)
        480298.50   3775479.13        3.66469  (12091722)                480348.50
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3775479.13 3.76186 (12091722)
 480398.50 3775479.13 3.83483 (12091722) 480448.50
3775479.13 3.83729 (12090501)
 480498.50 3775479.13 3.90772 (13082523) 480254.72
3774120.37 18.81552 (13062606)
 480287.52 3774147.62 16.72562 (13100907) 480349.09
3774140.55 17.27077 (16062906)
 480381.90 3774044.67 31.14500 (13062606) 480443.97
3774003.79 50.43957 (13062606)
 480407.64 3774005.81 50.32614 (13062606) 480390.48
3774008.33 48.93520 (13062606)
 480543.03 3774446.66 10.20464 (14090823) 480593.03
3774446.66 10.86237 (14090823)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TRUCK2 ***
INCLUDING SOURCE(S): L0002692 , L0002693 , L0002694 , L0002695 , L0002696 ,
L0002697 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 , L0002703 , L0002704 ,
L0002705 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 , L0002711 , L0002712 ,
L0002713 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 , L0002719 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480643.03	3774446.66	11.05339	(14090823)	480693.03	3774446.66	11.40603	(14090823)
480743.03	3774446.66	11.48289	(14073102)	480793.03	3774446.66	12.00144	(14073102)
480843.03	3774446.66	12.04181	(15100820)	480893.03	3774446.66	12.20457	(15100820)
480943.03	3774446.66	12.31404	(15100820)	480993.03	3774446.66	12.15070	(15100820)

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        481043.03   3774446.66       12.23215  (15100820)                481093.03
3774446.66       12.18366  (12081705)
        481143.03   3774446.66       12.31114  (12081705)                481193.03
3774446.66       12.38079  (12081705)
        481243.03   3774446.66       12.38190  (12081705)                481293.03
3774446.66       13.10530  (15061206)
        481343.03   3774446.66       14.50094  (13062306)                481393.03
3774446.66       14.80865  (15061206)
        481443.03   3774446.66       15.21414  (12081122)                480543.03
3774496.66        9.22788  (15100821)
        480593.03   3774496.66        9.80281  (15100821)                480643.03
3774496.66        9.98597  (14090823)
        480693.03   3774496.66       10.39483  (14090823)                480743.03
3774496.66       10.64419  (14090823)
        480793.03   3774496.66       10.85879  (14090823)                480843.03
3774496.66       10.83103  (14073102)
        480893.03   3774496.66       10.95223  (14073102)                480943.03
3774496.66       11.05039  (13082921)
        480993.03   3774496.66       11.23377  (13082921)                481043.03
3774496.66       11.21351  (15100820)
        481093.03   3774496.66       11.14509  (15100820)                481143.03
3774496.66       11.25007  (15100820)
        481193.03   3774496.66       11.40840  (12081705)                481243.03
3774496.66       11.29994  (12081705)
        481293.03   3774496.66       12.33500  (16061920)                481343.03
3774496.66       13.00709  (15101218)
        481393.03   3774496.66       13.84950  (15101218)                481443.03
3774496.66       13.64676  (15101218)
        481493.03   3774496.66       14.17966  (15101218)                480543.03
3774546.66        8.85043  (12081324)
        480593.03   3774546.66        9.03164  (12081324)                480643.03
3774546.66        9.10195  (12081324)
        480693.03   3774546.66        9.45431  (15100821)                480743.03
3774546.66        9.63945  (15100821)
        480793.03   3774546.66        9.80274  (15100821)                480843.03
3774546.66        9.85735  (14090823)
        480893.03   3774546.66       10.11879  (14090823)                480943.03
3774546.66       10.11062  (14090823)
        480993.03   3774546.66       10.26576  (14073102)                481043.03
3774546.66       10.19647  (14073102)
        481093.03   3774546.66       10.38098  (13082921)                481143.03
3774546.66       10.42381  (13082921)
        481193.03   3774546.66       10.42933  (13082921)                481243.03
3774546.66       10.82071  (12071219)
        481293.03   3774546.66       11.74163  (12071219)                481343.03
3774546.66       11.78405  (15072106)
        481393.03   3774546.66       12.51253  (16072221)                481443.03
3774546.66       12.84665  (16072221)
        481493.03   3774546.66       12.89182  (15101218)                481543.03
3774546.66       12.91515  (15101218)
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        480543.03   3774596.66        8.26466  (12071323)               480593.03
3774596.66        8.34455  (12081324)
        480643.03   3774596.66        8.72288  (12081324)               480693.03
3774596.66        8.73838  (12081324)
        480743.03   3774596.66        9.03434  (12081324)               480793.03
3774596.66        9.01225  (15100821)
        480843.03   3774596.66        9.21068  (15100821)               480893.03
3774596.66        9.24450  (15100821)
        480943.03   3774596.66        9.28869  (13090323)               480993.03
3774596.66        9.41977  (13090323)
        481043.03   3774596.66        9.52202  (13090323)               481093.03
3774596.66        9.54619  (13090323)
        481143.03   3774596.66        9.65634  (13090323)               481193.03
3774596.66        9.69290  (14073102)
        481243.03   3774596.66       10.51158  (12071219)               481293.03
3774596.66       11.09618  (12071219)
        481343.03   3774596.66       11.31060  (12071219)               481393.03
3774596.66       11.44484  (12082820)
        481443.03   3774596.66       11.82181  (12071222)               481493.03
3774596.66       11.93102  (12071222)
        481543.03   3774596.66       12.20711  (16072221)               480543.03
3774646.66        7.69367  (12071323)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 230
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK2   ***
                                    INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                  L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
                  L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                  L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        480593.03   3774646.66        7.88289  (12071323)                480643.03
3774646.66        8.06213  (12071323)
        480693.03   3774646.66        8.07099  (12081324)                480743.03
3774646.66        8.35936  (12081324)
        480793.03   3774646.66        8.39236  (12081324)                480843.03
3774646.66        8.58294  (12081324)
        480893.03   3774646.66        8.62652  (12081324)                480943.03
3774646.66        8.72881  (15100821)
        480993.03   3774646.66        8.69533  (15100821)                481043.03
3774646.66        8.82893  (15100821)
        481093.03   3774646.66        9.00177  (13090323)                481143.03
3774646.66        8.96414  (13090323)
        481193.03   3774646.66        9.09764  (13090323)                481243.03
3774646.66        9.57251  (12071219)
        481293.03   3774646.66       10.16697  (12071219)                481343.03
3774646.66       10.51348  (12071219)
        481393.03   3774646.66       10.69918  (12071219)                481443.03
3774646.66       10.79266  (12082820)
        481493.03   3774646.66       11.03780  (12082820)                481543.03
3774646.66       11.21526  (12071222)
        480543.03   3774696.66        7.24225  (15081622)                480593.03
3774696.66        7.45053  (13082824)
        480643.03   3774696.66        7.48296  (12071323)                480693.03
3774696.66        7.68911  (12071323)
        480743.03   3774696.66        7.76028  (12071323)                480793.03
3774696.66        7.75963  (12081324)
        480843.03   3774696.66        7.97449  (12081324)                480893.03
3774696.66        8.12019  (12081324)
        480943.03   3774696.66        8.14060  (12081324)                480993.03
3774696.66        8.24130  (12081324)
        481043.03   3774696.66        8.26600  (15100821)                481093.03
3774696.66        8.32929  (15100821)
        481143.03   3774696.66        8.36965  (15100821)                481193.03
3774696.66        8.39479  (13090323)
        481243.03   3774696.66        9.19823  (13063021)                481293.03
3774696.66        9.17594  (12071219)
        481343.03   3774696.66        9.73660  (12071219)                481393.03
3774696.66       10.10270  (12071219)
        481443.03   3774696.66       10.07462  (12071219)                481493.03
3774696.66       10.37694  (14040821)
        481543.03   3774696.66       10.50593  (14040821)                480543.03
3774746.66        7.00475  (15081622)
        480593.03   3774746.66        7.06839  (15081622)                480643.03
3774746.66        7.12748  (15081622)
        480693.03   3774746.66        7.23901  (13082824)                480743.03
3774746.66        7.23345  (12071323)
        480793.03   3774746.66        7.42883  (12071323)                480843.03
3774746.66        7.43568  (12071323)
        480893.03   3774746.66        7.57621  (12071323)                480943.03
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3774746.66        7.64739  (12081324)
        480993.03   3774746.66        7.73552  (12081324)                481043.03
3774746.66        7.82537  (12081324)
        481093.03   3774746.66        7.79568  (12081324)                481143.03
3774746.66        7.82729  (12081324)
        481193.03   3774746.66        8.22178  (16090403)                481243.03
3774746.66        8.62333  (16090403)
        481293.03   3774746.66        8.94302  (13063021)                481343.03
3774746.66        9.23233  (15090821)
        481393.03   3774746.66        9.46338  (15090821)                481443.03
3774746.66        9.71203  (15081622)
        481493.03   3774746.66        9.82023  (15081622)                481543.03
3774746.66        9.86993  (14040821)
        480543.03   3774796.66        6.58543  (16091921)                480593.03
3774796.66        6.69255  (15081622)
        480643.03   3774796.66        6.81733  (15081622)                480693.03
3774796.66        6.91815  (13082824)
        480743.03   3774796.66        6.97868  (13082824)                480793.03
3774796.66        6.96279  (13082824)
        480843.03   3774796.66        7.06342  (12071323)                480893.03
3774796.66        7.12116  (12071323)
        480943.03   3774796.66        7.24809  (12071323)                480993.03
3774796.66        7.32154  (15060923)
        481043.03   3774796.66        7.33867  (15060923)                481093.03
3774796.66        7.40156  (15060923)
        481143.03   3774796.66        7.35813  (15031520)                481193.03
3774796.66        7.87005  (15062006)
        481243.03   3774796.66        8.02504  (16090403)                481293.03
3774796.66        8.33221  (14071423)
        481343.03   3774796.66        8.80030  (12081701)                481393.03
3774796.66        8.80736  (12081701)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***        10:39:05

                                     PAGE 231
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  TRUCK2   ***
                                     INCLUDING SOURCE(S):     L0002692    , L0002693
, L0002694    , L0002695    , L0002696    ,
                  L0002697    , L0002698    , L0002699    , L0002700    , L0002701
, L0002702    , L0002703    , L0002704    ,
                  L0002705    , L0002706    , L0002707    , L0002708    , L0002709
, L0002710    , L0002711    , L0002712    ,
                  L0002713    , L0002714    , L0002715    , L0002716    , L0002717
, L0002718    , L0002719    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
481443.03	3774796.66	9.05432	(15090821)	481493.03	3774796.66	9.37503	(15081622)
481543.03	3774796.66	9.57872	(15081622)	480543.03	3774846.66	6.25931	(16091921)
480593.03	3774846.66	6.39797	(16091921)	480643.03	3774846.66	6.42586	(16091921)
480693.03	3774846.66	6.59526	(15081622)	480743.03	3774846.66	6.61070	(15081622)
480793.03	3774846.66	6.58864	(13082824)	480843.03	3774846.66	6.68499	(13082824)
480893.03	3774846.66	6.68157	(13082824)	480943.03	3774846.66	6.79956	(12071323)
480993.03	3774846.66	6.90252	(12071323)	481043.03	3774846.66	6.92397	(15060923)
481093.03	3774846.66	6.94530	(15060923)	481143.03	3774846.66	7.49587	(15062006)
481193.03	3774846.66	7.47834	(15062006)	481243.03	3774846.66	7.81915	(15062006)
481293.03	3774846.66	7.99543	(16102719)	481343.03	3774846.66	8.28100	(16072601)
481393.03	3774846.66	8.52527	(12081701)	481443.03	3774846.66	8.72715	(12081701)
481493.03	3774846.66	8.79016	(16091921)	481543.03	3774846.66	8.95503	(15081622)
480543.03	3774896.66	5.89012	(13082422)	480593.03	3774896.66	6.06044	(16091921)
480643.03	3774896.66	6.20925	(16091921)	480693.03	3774896.66	6.30235	(16091921)
480743.03	3774896.66	6.31995	(16091921)	480793.03	3774896.66	6.33186	(15081622)
480843.03	3774896.66	6.33365	(13082824)	480893.03	3774896.66	6.40372	(13082824)
480943.03	3774896.66	6.44489	(13082824)	480993.03	3774896.66	6.50565	(13082824)
481043.03	3774896.66	6.56483	(15071802)	481093.03	3774896.66	6.68957	(16111018)
481143.03	3774896.66	6.99032	(15062006)	481193.03	3774896.66	7.39804	(15062006)
481243.03	3774896.66	7.54910	(15062006)	481293.03	3774896.66	7.67673	(16072103)

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        481343.03   3774896.66        7.88382  (16102719)               481393.03
3774896.66        8.05957  (16102719)
        481443.03   3774896.66        8.25710  (13020223)               481493.03
3774896.66        8.40642  (13020223)
        481543.03   3774896.66        8.62640  (16091921)               480543.03
3774946.66        5.67546  (15102518)
        480593.03   3774946.66        5.72910  (13082422)               480643.03
3774946.66        5.86461  (16091921)
        480693.03   3774946.66        5.98315  (16091921)               480743.03
3774946.66        6.01792  (16091921)
        480793.03   3774946.66        6.01803  (16091921)               480843.03
3774946.66        6.02501  (15081622)
        480893.03   3774946.66        6.11115  (13082824)               480943.03
3774946.66        6.21425  (13082824)
        480993.03   3774946.66        6.22993  (13082824)               481043.03
3774946.66        6.22981  (16111018)
        481093.03   3774946.66        6.56552  (16111018)               481143.03
3774946.66        6.90159  (16111018)
        481193.03   3774946.66        7.00954  (15062006)               481243.03
3774946.66        7.33251  (15062006)
        481293.03   3774946.66        7.43823  (15062006)               481343.03
3774946.66        7.60217  (16072103)
        481393.03   3774946.66        7.76033  (16102719)               481443.03
3774946.66        7.88830  (16102719)
        481493.03   3774946.66        8.07897  (13020223)               481543.03
3774946.66        8.08537  (13082422)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 232
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORK     ***
                                    INCLUDING SOURCE(S):     L0002885    , L0002886
, L0002887    , L0002888    , L0002889    ,
                 L0002890    , L0002891    , L0002892    , L0002893    , L0002894
, L0002895    , L0002896    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        478170.37   3774040.02       11.70803  (16101924)                478220.37
3774040.02       12.44152  (16101924)
        478270.37   3774040.02       13.34226  (16101924)                478320.37
3774040.02       14.25811  (16101924)
        478170.37   3774090.02       11.92865  (15012917)                478220.37
3774090.02       12.66660  (15012917)
        478270.37   3774090.02       13.58072  (15012917)                478320.37
3774090.02       14.50746  (15012917)
        478170.37   3774140.02       11.84544  (15012917)                478220.37
3774140.02       12.57595  (15012917)
        478270.37   3774140.02       13.47300  (15012917)                478320.37
3774140.02       14.38414  (15012917)
        478170.37   3774190.02       11.54481  (15012908)                478220.37
3774190.02       12.28367  (15012908)
        478270.37   3774190.02       13.12647  (15012908)                478320.37
3774190.02       14.02596  (16100705)
        478170.37   3774240.02       11.51635  (16100705)                478220.37
3774240.02       12.23242  (16100705)
        478270.37   3774240.02       13.04502  (16100705)                478320.37
3774240.02       13.88303  (16100705)
        478370.37   3774240.02       14.84232  (16100705)                478420.37
3774240.02       15.94002  (16100705)
        478470.37   3774240.02       17.11719  (14022723)                478520.37
3774240.02       18.81810  (13112720)
        478570.37   3774240.02       20.66529  (13112720)                479170.37
3774240.02      140.41485  (14091624)
        479220.37   3774240.02      184.56189  (16092018)                479270.37
3774240.02      250.40033  (14030117)
        479320.37   3774240.02      322.19745  (15011116)                479370.37
3774240.02      377.20936  (13112916)
        479420.37   3774240.02      216.80150  (13112916)                479470.37
3774240.02      140.75460  (14041207)
        479520.37   3774240.02      132.08604  (14041207)                479570.37
3774240.02      105.40808  (14041207)
        479620.37   3774240.02       91.56382  (12041107)                479670.37
3774240.02       78.98083  (12041107)
        479720.37   3774240.02       64.66747  (12041107)                479770.37
3774240.02       51.93525  (12041107)
        479820.37   3774240.02       40.76022  (12041107)                479870.37
3774240.02       31.71501  (12041107)
        479920.37   3774240.02       27.96977  (16102817)                479970.37
3774240.02       30.19647  (16092920)
        478170.37   3774290.02       11.16672  (14022723)                478220.37
3774290.02       11.92509  (13112720)
        478270.37   3774290.02       12.82830  (13112720)                478320.37
3774290.02       13.76598  (13112720)
        478370.37   3774290.02       14.83040  (13112720)                478420.37
3774290.02       16.03699  (13112720)
        478470.37   3774290.02       17.28931  (13112720)                478520.37
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3774290.02   18.80069 (13112720)
        478570.37   3774290.02   20.31784 (13112720)   479170.37
3774290.02   113.64939 (16092018)
        479220.37   3774290.02   133.71918 (16121606)   479270.37
3774290.02   165.90076 (13090718)
        479320.37   3774290.02   178.04813 (15011116)   479370.37
3774290.02   182.14123 (13112916)
        479420.37   3774290.02   197.44601 (13112916)   479470.37
3774290.02   106.83808 (15101019)
        479520.37   3774290.02   89.77295 (16041118)   479570.37
3774290.02   76.10421 (14041207)
        479620.37   3774290.02   71.44639 (14041207)   479670.37
3774290.02   60.13844 (14041207)
        479720.37   3774290.02   53.68182 (12041107)   479770.37
3774290.02   49.88672 (12041107)
        479820.37   3774290.02   44.15749 (12041107)   479870.37
3774290.02   37.87908 (12041107)
        479920.37   3774290.02   31.83332 (12041107)   479970.37
3774290.02   35.59063 (12081023)
        478170.37   3774340.02   11.33514 (13112720)   478220.37
3774340.02   12.04890 (13112720)
        478270.37   3774340.02   12.83979 (13112720)   478320.37
3774340.02   13.63231 (13112720)
        478370.37   3774340.02   14.50883 (13112720)   478420.37
3774340.02   15.62194 (14011323)
        478470.37   3774340.02   16.96500 (16111017)   478520.37
3774340.02   18.59754 (16111017)
        478570.37   3774340.02   20.30440 (16111017)   479170.37
3774340.02   89.60822 (13021808)
        479220.37   3774340.02   99.83945 (16021806)   479270.37
3774340.02   121.57536 (13090718)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                    INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                 L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479320.37	3774340.02	116.33194	(14022508)	479370.37	3774340.02	107.96073	(16111019)
479420.37	3774340.02	136.72812	(13112916)	479470.37	3774340.02	111.98846	(13112916)
479520.37	3774340.02	74.07073	(15101019)	479570.37	3774340.02	65.32763	(16041118)
479620.37	3774340.02	56.14554	(16041118)	479670.37	3774340.02	47.46203	(14041207)
479720.37	3774340.02	44.49494	(14041207)	479770.37	3774340.02	38.64552	(14041207)
479820.37	3774340.02	34.29697	(12041107)	479870.37	3774340.02	33.33486	(12041107)
479920.37	3774340.02	37.83578	(12082819)	479970.37	3774340.02	35.59601	(16111417)
478170.37	3774390.02	11.06605	(13112720)	478220.37	3774390.02	11.75833	(14011323)
478270.37	3774390.02	12.53664	(14011323)	478320.37	3774390.02	13.47594	(16111017)
478370.37	3774390.02	14.60153	(16111017)	478420.37	3774390.02	15.70068	(16111017)
478470.37	3774390.02	16.92793	(16111017)	478520.37	3774390.02	18.15646	(16111017)
478570.37	3774390.02	19.34973	(16111017)	479170.37	3774390.02	72.27557	(16021806)
479220.37	3774390.02	79.67195	(15122518)	479270.37	3774390.02	92.89092	(13090718)
479320.37	3774390.02	87.49662	(14022508)	479370.37	3774390.02	84.52158	(16111019)
479420.37	3774390.02	85.28593	(13112916)	479470.37	3774390.02	95.77043	(13112916)
479520.37	3774390.02	69.45896	(13112916)	479570.37	3774390.02	55.30801	(15101019)
479620.37	3774390.02	50.03694	(16041118)	479670.37	3774390.02	44.91819	(16041118)
479720.37	3774390.02	38.23677	(16041118)	479770.37	3774390.02	33.56520	(13031818)
479820.37	3774390.02	34.07478	(13090921)	479870.37	3774390.02	39.78176	(13081820)
479920.37	3774390.02	36.33148	(13081722)	479970.37	3774390.02	34.72627	(15062801)
478170.37	3774440.02	11.08288	(16111017)	478220.37	3774440.02	11.83367	(16111017)
478270.37	3774440.02	12.63007	(16111017)	478320.37	3774440.02	13.40738	(16111017)

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        478370.37   3774440.02       14.28797  (16111017)                478420.37
3774440.02       15.07871  (16111017)
        478470.37   3774440.02       16.11775  (13052302)                478520.37
3774440.02       17.33645  (13052302)
        478570.37   3774440.02       18.48897  (13052302)                478620.37
3774440.02       20.20799  (16100301)
        478670.37   3774440.02       22.16802  (15091504)                478720.37
3774440.02       24.57777  (15091504)
        478770.37   3774440.02       26.78967  (15091504)                478820.37
3774440.02       29.35259  (13050502)
        479320.37   3774440.02       69.05472  (14022508)                479370.37
3774440.02       67.84698  (16111019)
        479420.37   3774440.02       60.16440  (16122407)                479470.37
3774440.02       71.44137  (13112916)
        479520.37   3774440.02       65.96406  (13112916)                479570.37
3774440.02       49.77105  (15101019)
        479620.37   3774440.02       43.27551  (15101019)                479670.37
3774440.02       39.90560  (16041118)
        479720.37   3774440.02       36.93090  (16041118)                479770.37
3774440.02       32.58952  (16041118)
        479820.37   3774440.02       34.55416  (13031818)                479870.37
3774440.02       37.79073  (16072821)
        479920.37   3774440.02       36.17095  (13090921)                479970.37
3774440.02       33.28600  (13081820)
        478170.37   3774490.02       11.01399  (16111017)                478220.37
3774490.02       11.64090  (16111017)
        478270.37   3774490.02       12.19682  (16111017)                478320.37
3774490.02       12.79066  (13052302)
        478370.37   3774490.02       13.71548  (13052302)                478420.37
3774490.02       14.55005  (13052302)
        478470.37   3774490.02       15.45756  (16100301)                478520.37
3774490.02       16.71522  (16100301)
        478570.37   3774490.02       18.04497  (15091504)                478620.37
3774490.02       19.93239  (15091504)
        478670.37   3774490.02       21.58204  (15091504)                478720.37
3774490.02       23.09205  (13050502)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                  PAGE 234
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORK     ***
                                  INCLUDING SOURCE(S):     L0002885    , L0002886
, L0002887    , L0002888    , L0002889    ,
                 L0002890    , L0002891    , L0002892    , L0002893    , L0002894
, L0002895    , L0002896    ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478749.26	3774487.73	24.23120	(13050502)	478820.37	3774490.02	28.41304	(16021808)
479370.37	3774490.02	55.68133	(16111019)	479420.37	3774490.02	50.18156	(16111019)
479470.37	3774490.02	49.97249	(13112916)	479520.37	3774490.02	55.64344	(13112916)
479570.37	3774490.02	46.61957	(13112916)	479620.37	3774490.02	40.09639	(15101019)
479670.37	3774490.02	35.24795	(13102820)	479720.37	3774490.02	32.81574	(16041118)
479770.37	3774490.02	32.63164	(16041118)	479820.37	3774490.02	39.16838	(16072623)
479870.37	3774490.02	36.40763	(16061920)	479920.37	3774490.02	34.90853	(16072821)
479970.37	3774490.02	32.13798	(15082722)	478170.37	3774540.02	10.55312	(16111017)
478220.37	3774540.02	11.19843	(13052302)	478270.37	3774540.02	11.82599	(13052302)
478320.37	3774540.02	12.43042	(13052302)	478370.37	3774540.02	13.20179	(16100301)
478420.37	3774540.02	14.11700	(16100301)	478470.37	3774540.02	15.12813	(15091504)
478520.37	3774540.02	16.49557	(15091504)	478570.37	3774540.02	17.75563	(15091504)
478620.37	3774540.02	18.96794	(15091504)	478670.37	3774540.02	20.28318	(13050502)
478720.37	3774540.02	22.35612	(16021808)	478764.86	3774550.58	23.89393	(16021808)
478807.52	3774552.41	24.91320	(16021808)	479370.37	3774540.02	46.57235	(16111019)
479420.37	3774540.02	44.00689	(16111019)	479470.37	3774540.02	41.46627	(16122407)
479520.37	3774540.02	43.61724	(13112916)	479570.37	3774540.02	42.86596	(13112916)
479620.37	3774540.02	35.19218	(13100917)	479670.37	3774540.02	33.10752	(15101019)
479720.37	3774540.02	29.54920	(13102820)	479770.37	3774540.02	32.61871	(12071219)
479820.37	3774540.02	38.32674	(12071219)	479870.37			

3774540.02 34.35242 (12092019)
  479920.37 3774540.02 33.25648 (15072106) 479970.37
3774540.02 30.63545 (16072821)
  478170.37 3774590.02 10.36483 (13052302) 478220.37
3774590.02 10.83544 (13052302)
  478270.37 3774590.02 11.43477 (16100301) 478320.37
3774590.02 12.18112 (16100301)
  478370.37 3774590.02 12.90301 (15091504) 478420.37
3774590.02 13.94843 (15091504)
  478470.37 3774590.02 15.02694 (15091504) 478520.37
3774590.02 15.91140 (15091504)
  478570.37 3774590.02 16.91704 (13050502) 478620.37
3774590.02 18.09428 (16021808)
  478670.37 3774590.02 19.87131 (16021808) 478720.37
3774590.02 21.32080 (16021808)
  478776.33 3774602.87 22.48969 (14091624) 478804.31
3774604.25 23.46250 (14091624)
  479370.37 3774590.02 39.58244 (16111019) 479420.37
3774590.02 38.66786 (16111019)
  479470.37 3774590.02 35.01292 (16122407) 479520.37
3774590.02 34.86011 (16122407)
  479570.37 3774590.02 36.52408 (13112916) 479620.37
3774590.02 32.69822 (13112916)
  479670.37 3774590.02 29.84576 (15101019) 479720.37
3774590.02 30.69191 (15101019)
  479770.37 3774590.02 36.52150 (13063021) 479820.37
3774590.02 35.99193 (12071219)
  479870.37 3774590.02 34.22659 (12071219) 479920.37
3774590.02 31.25132 (12083019)
  479970.37 3774590.02 30.50357 (15072106) 478170.37
3774640.02 10.07976 (16100301)
  478220.37 3774640.02 10.64026 (16100301) 478270.37
3774640.02 11.15888 (15091504)
  478320.37 3774640.02 12.04146 (15091504) 478370.37
3774640.02 12.86537 (15091504)
  478420.37 3774640.02 13.59021 (15091504) 478470.37
3774640.02 14.27859 (13050502)
  478520.37 3774640.02 15.13685 (13050502) 478570.37
3774640.02 16.42946 (16021808)
  478620.37 3774640.02 17.77828 (16021808) 478670.37
3774640.02 18.83974 (16021808)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: FORK   ***
                                INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478720.37   3774640.02   19.79685 (14091624)   478770.37
3774640.02   21.38490 (14091624)
        478820.37   3774640.02   22.44369 (16092018)   478870.37
3774640.02   24.55208 (16092018)
        479370.37   3774640.02   34.20876 (14022508)   479420.37
3774640.02   34.19266 (16111019)
        479470.37   3774640.02   30.13744 (16111019)   479520.37
3774640.02   30.78024 (16122407)
        479570.37   3774640.02   29.54335 (13112916)   479620.37
3774640.02   29.82431 (13112916)
        479670.37   3774640.02   26.71294 (16112620)   479720.37
3774640.02   29.00591 (15101019)
        479770.37   3774640.02   34.53435 (14051521)   479820.37
3774640.02   31.78930 (15070603)
        479870.37   3774640.02   32.82640 (12071219)   479920.37
3774640.02   31.03675 (12071219)
        479970.37   3774640.02   28.73378 (12083019)   478170.37
3774690.02   9.85092 (16100301)
        478220.37   3774690.02   10.51722 (15091504)   478270.37
3774690.02   11.17606 (15091504)
        478320.37   3774690.02   11.83098 (15091504)   478370.37
3774690.02   12.35823 (15091504)
        478420.37   3774690.02   12.97921 (13050502)   478470.37
3774690.02   13.69181 (16021808)
        478520.37   3774690.02   14.88977 (16021808)   478570.37
3774690.02   16.00259 (16021808)
        478620.37   3774690.02   16.74388 (16021808)   478670.37
3774690.02   17.64636 (14091624)
        478720.37   3774690.02   18.90892 (14091624)   478770.37
3774690.02   19.61413 (16092018)
        478820.37   3774690.02   21.45927 (16092018)   478868.71
3774700.63   21.83117 (14040103)
        478861.34   3774671.12   23.07242 (16092018)   479026.61
3774722.40   24.60536 (16021806)

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        479059.05   3774696.65       26.28724  (16021806)                479113.74
3774695.09       27.92669  (15122518)
        479370.37   3774690.02       30.33716  (14022508)                479420.37
3774690.02       30.40106  (16111019)
        479470.37   3774690.02       27.72465  (16111019)                479520.37
3774690.02       27.01100  (16122407)
        479570.37   3774690.02       26.45683  (16122407)                479620.37
3774690.02       25.69881  (13112916)
        479670.37   3774690.02       24.14041  (16112620)                479720.37
3774690.02       26.89320  (16112620)
        479770.37   3774690.02       32.25803  (15101019)                479820.37
3774690.02       31.25357  (14051521)
        479870.37   3774690.02       29.56906  (15070603)                479920.37
3774690.02       29.07543  (12071219)
        479970.37   3774690.02       28.63914  (12071219)                478170.37
3774740.02        9.87594  (15091504)
        478220.37   3774740.02       10.38677  (15091504)                478270.37
3774740.02       10.83261  (15091504)
        478320.37   3774740.02       11.32165  (13050502)                478370.37
3774740.02       11.87991  (13050502)
        478420.37   3774740.02       12.61152  (16021808)                478470.37
3774740.02       13.62535  (16021808)
        478520.37   3774740.02       14.40806  (16021808)                478570.37
3774740.02       15.01825  (16021808)
        478620.37   3774740.02       15.79232  (14091624)                478670.37
3774740.02       16.88566  (14091624)
        478720.37   3774740.02       17.43776  (14091624)                478770.37
3774740.02       18.93139  (16092018)
        478820.37   3774740.02       19.81225  (16092018)                478862.96
3774730.27       20.75407  (14040103)
        479020.37   3774740.02       23.65051  (16021806)                479070.37
3774740.02       24.14459  (15122518)
        479120.37   3774740.02       25.50067  (15122518)                479370.37
3774740.02       27.15100  (14022508)
        479420.37   3774740.02       27.17966  (16111019)                479470.37
3774740.02       25.47022  (16111019)
        479520.37   3774740.02       23.64409  (16122407)                479570.37
3774740.02       24.01384  (16122407)
        479620.37   3774740.02       22.47371  (16122407)                479670.37
3774740.02       21.83473  (12121601)
        479720.37   3774740.02       31.29433  (15031520)                479770.37
3774740.02       29.02808  (15101019)
        479820.37   3774740.02       29.66561  (15101019)                479870.37
3774740.02       28.15070  (13063021)
        479920.37   3774740.02       26.39903  (15070603)                479970.37
3774740.02       26.95786  (12071219)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK   ***
INCLUDING SOURCE(S):   L0002885   , L0002886   , L0002887   , L0002888   , L0002889   ,
L0002890   , L0002891   , L0002892   , L0002893   , L0002894   , L0002895   , L0002896   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478170.37	3774790.02	9.63918	(15091504)	478220.37	3774790.02	9.95905	(15091504)
478270.37	3774790.02	10.42812	(13050502)	478320.37	3774790.02	10.89261	(13050502)
478370.37	3774790.02	11.68915	(16021808)	478420.37	3774790.02	12.51223	(16021808)
478470.37	3774790.02	13.11426	(16021808)	478520.37	3774790.02	13.51001	(16021808)
478570.37	3774790.02	14.30833	(14091624)	478620.37	3774790.02	15.14050	(14091624)
478670.37	3774790.02	15.66041	(14091624)	478720.37	3774790.02	16.83155	(16092018)
478770.37	3774790.02	17.71242	(16092018)	478820.37	3774790.02	18.24791	(14040103)
478870.37	3774790.02	19.20609	(13021808)	478920.37	3774790.02	19.95541	(16121606)
478970.37	3774790.02	20.84041	(16021806)	479020.37	3774790.02	21.32791	(16021806)
479070.37	3774790.02	22.33324	(15122518)	479120.37	3774790.02	22.87088	(15122518)
479370.37	3774790.02	24.49535	(14022508)	479420.37	3774790.02	24.42970	(16111019)
479470.37	3774790.02	23.37433	(16111019)	479520.37	3774790.02	20.67557	(16122407)
479570.37	3774790.02	21.62365	(16122407)	479620.37	3774790.02	20.99206	(16122407)
479670.37	3774790.02	20.05881	(12121601)	479720.37	3774790.02	29.29930	(15062006)
479770.37	3774790.02	27.41419	(15031520)	479820.37			

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3774790.02       27.32958  (16090403)
        479870.37   3774790.02       26.48495  (15101019)                479920.37
3774790.02       26.27095  (13063021)
        479970.37   3774790.02       24.87233  (15070603)                477970.37
3774840.02        7.85538  (15091504)
        478020.37   3774840.02        8.26920  (15091504)                478070.37
3774840.02        8.62314  (15091504)
        478120.37   3774840.02        8.93827  (15091504)                478170.37
3774840.02        9.27505  (13050502)
        478220.37   3774840.02        9.66101  (13050502)                478270.37
3774840.02       10.15571  (16021808)
        478320.37   3774840.02       10.86524  (16021808)                478370.37
3774840.02       11.47266  (16021808)
        478420.37   3774840.02       11.99195  (16021808)                478470.37
3774840.02       12.25528  (16021808)
        478520.37   3774840.02       13.01033  (14091624)                478570.37
3774840.02       13.73925  (14091624)
        478620.37   3774840.02       14.15415  (14091624)                478670.37
3774840.02       15.13303  (16092018)
        478720.37   3774840.02       15.89433  (16092018)                478770.37
3774840.02       16.35750  (14040103)
        478820.37   3774840.02       16.94822  (13021808)                478870.37
3774840.02       17.90759  (13021808)
        478920.37   3774840.02       18.51814  (16121606)                478970.37
3774840.02       19.21686  (16021806)
        479020.37   3774840.02       19.16249  (15122518)                479070.37
3774840.02       20.56058  (15122518)
        479120.37   3774840.02       21.17974  (13090718)                479170.37
3774840.02       23.48272  (13090718)
        479220.37   3774840.02       23.88662  (13090718)                479270.37
3774840.02       22.51777  (14121123)
        479320.37   3774840.02       22.17043  (14022508)                479370.37
3774840.02       22.24642  (14022508)
        479420.37   3774840.02       22.05801  (16111019)                479470.37
3774840.02       21.51027  (16111019)
        479520.37   3774840.02       19.34648  (16111019)                479570.37
3774840.02       19.40071  (16122407)
        479620.37   3774840.02       19.41607  (16122407)                479670.37
3774840.02       22.14509  (16122407)
        479720.37   3774840.02       26.82059  (15062006)                479770.37
3774840.02       26.01542  (15062006)
        479820.37   3774840.02       25.46361  (15031120)                479870.37
3774840.02       24.66022  (15101019)
        479920.37   3774840.02       24.89512  (14101507)                479970.37
3774840.02       23.97135  (13063021)
        477970.37   3774890.02        7.78266  (15091504)                478020.37
3774890.02        8.04244  (15091504)
        478070.37   3774890.02        8.28476  (13050502)                478120.37
3774890.02        8.66705  (13050502)
        478170.37   3774890.02        8.96002  (13050502)                478220.37
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                    INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                 L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478270.37   3774890.02   10.12076 (16021808)   478320.37
3774890.02   10.60867 (16021808)
        478370.37   3774890.02   10.96007 (16021808)   478420.37
3774890.02   11.19140 (16021808)
        478470.37   3774890.02   11.91479 (14091624)   478520.37
3774890.02   12.51244 (14091624)
        478570.37   3774890.02   12.86113 (14091624)   478620.37
3774890.02   13.68218 (16092018)
        478670.37   3774890.02   14.41110 (16092018)   478720.37
3774890.02   14.70762 (14040103)
        478770.37   3774890.02   15.16910 (14040103)   478820.37
3774890.02   16.07167 (13021808)
        478870.37   3774890.02   16.60325 (16121606)   478920.37
3774890.02   17.20973 (16021806)
        478970.37   3774890.02   17.55947 (16021806)   479020.37
3774890.02   18.06189 (15122518)
        479070.37   3774890.02   18.87403 (15122518)   479120.37
3774890.02   19.89549 (13090718)
        479170.37   3774890.02   21.60069 (13090718)   479220.37
3774890.02   21.66890 (13090718)
        479270.37   3774890.02   20.52528 (14121123)   479320.37
3774890.02   20.17228 (14022508)
        479370.37   3774890.02   20.32249 (14022508)   479420.37
3774890.02   20.02137 (16111019)

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        479470.37   3774890.02       19.82689  (16111019)               479520.37
3774890.02       18.21244  (16111019)
        479570.37   3774890.02       17.36554  (16122407)               479620.37
3774890.02       17.83241  (16122407)
        479670.37   3774890.02       21.00596  (16122407)               479720.37
3774890.02       24.57251  (16112621)
        479770.37   3774890.02       24.42675  (15062006)               479820.37
3774890.02       24.33915  (15031520)
        479870.37   3774890.02       22.93345  (15031120)               479920.37
3774890.02       23.43545  (16090403)
        479970.37   3774890.02       22.59618  (14101507)               477970.37
3774940.02        7.50853  (15091504)
        478020.37   3774940.02        7.78748  (13050502)               478070.37
3774940.02        8.07940  (13050502)
        478120.37   3774940.02        8.37526  (16021808)               478170.37
3774940.02        8.92223  (16021808)
        478220.37   3774940.02        9.40420  (16021808)               478270.37
3774940.02        9.83916  (16021808)
        478320.37   3774940.02       10.10696  (16021808)               478370.37
3774940.02       10.27879  (14091624)
        478420.37   3774940.02       10.98303  (14091624)               478470.37
3774940.02       11.47482  (14091624)
        478520.37   3774940.02       11.75739  (14091624)               478570.37
3774940.02       12.42828  (16092018)
        478620.37   3774940.02       13.12372  (16092018)               478670.37
3774940.02       13.44974  (16092018)
        478720.37   3774940.02       13.80536  (14040103)               478770.37
3774940.02       14.44945  (13021808)
        478820.37   3774940.02       14.99059  (13021808)               478870.37
3774940.02       15.50052  (16121606)
        478920.37   3774940.02       16.03974  (16021806)               478970.37
3774940.02       15.93869  (16021806)
        479020.37   3774940.02       16.93452  (15122518)               479070.37
3774940.02       17.29814  (15122518)
        479120.37   3774940.02       18.67748  (13090718)               479170.37
3774940.02       19.92030  (13090718)
        479220.37   3774940.02       19.75200  (13090718)               479270.37
3774940.02       18.81360  (14121123)
        479320.37   3774940.02       18.46234  (14022508)               479370.37
3774940.02       18.66167  (14022508)
        479420.37   3774940.02       18.25228  (16111019)               479470.37
3774940.02       18.31024  (16111019)
        479520.37   3774940.02       17.13528  (16111019)               479570.37
3774940.02       15.52304  (16122407)
        479620.37   3774940.02       16.29679  (16122407)               479670.37
3774940.02       19.69894  (16122407)
        479720.37   3774940.02       23.31335  (16111018)               479770.37
3774940.02       23.43049  (15062006)
        479820.37   3774940.02       23.36769  (15062006)               479870.37
3774940.02       21.79130  (15031520)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 ,
L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479920.37	3774940.02	21.89697	(15031120)	479970.37	3774940.02	21.33124	(16090403)
477970.37	3774990.02	7.33112	(13050502)	478020.37	3774990.02	7.54717	(13050502)
478070.37	3774990.02	7.91375	(16021808)	478120.37	3774990.02	8.39956	(16021808)
478170.37	3774990.02	8.79898	(16021808)	478220.37	3774990.02	9.11070	(16021808)
478270.37	3774990.02	9.35315	(16021808)	478320.37	3774990.02	9.56149	(14091624)
478370.37	3774990.02	10.12860	(14091624)	478420.37	3774990.02	10.59059	(14091624)
478470.37	3774990.02	10.81819	(14091624)	478520.37	3774990.02	11.35282	(16092018)
478570.37	3774990.02	11.99531	(16092018)	478620.37	3774990.02	12.35346	(16092018)
478670.37	3774990.02	12.65443	(14040103)	478720.37	3774990.02	13.01383	(13021808)
478770.37	3774990.02	13.68159	(13021808)	478820.37	3774990.02	14.06447	(16121606)
478870.37	3774990.02	14.52592	(16021806)	478920.37	3774990.02	14.83037	(16021806)
478970.37	3774990.02	14.90711	(15122518)	479020.37	3774990.02	15.81789	(15122518)
479070.37	3774990.02	15.84298	(15122518)	479120.37			

3774990.02 17.53419 (13090718)
479170.37 3774990.02 18.41810 (13090718) 479220.37
3774990.02 18.08394 (13090718)
479270.37 3774990.02 17.33008 (14121123) 479320.37
3774990.02 16.98512 (14022508)
479370.37 3774990.02 17.21632 (14022508) 479420.37
3774990.02 16.70687 (16111019)
479470.37 3774990.02 16.94461 (16111019) 479520.37
3774990.02 16.11262 (16111019)
479570.37 3774990.02 14.44663 (12022721) 479620.37
3774990.02 14.84259 (16122407)
479670.37 3774990.02 18.31189 (16122407) 479720.37
3774990.02 21.96381 (16111018)
479770.37 3774990.02 21.44368 (16112621) 479820.37
3774990.02 21.91443 (15062006)
479870.37 3774990.02 21.07595 (15062006) 479920.37
3774990.02 20.90443 (15031120)
479970.37 3774990.02 20.12530 (16090403) 477970.37
3775040.02 7.08306 (13050501)
478020.37 3775040.02 7.49378 (16021808) 478070.37
3775040.02 7.89634 (16021808)
478120.37 3775040.02 8.24910 (16021808) 478170.37
3775040.02 8.49843 (16021808)
478220.37 3775040.02 8.64621 (16021808) 478270.37
3775040.02 8.92472 (14091624)
478320.37 3775040.02 9.41731 (14091624) 478370.37
3775040.02 9.77925 (14091624)
478420.37 3775040.02 10.01362 (14091624) 478470.37
3775040.02 10.43476 (16092018)
478520.37 3775040.02 11.01605 (16092018) 478570.37
3775040.02 11.37539 (16092018)
478620.37 3775040.02 11.62287 (14040103) 478670.37
3775040.02 11.82167 (14040103)
478720.37 3775040.02 12.47865 (13021808) 478770.37
3775040.02 12.79282 (13021808)
478820.37 3775040.02 13.19859 (16121606) 478870.37
3775040.02 13.66748 (16021806)
478920.37 3775040.02 13.62830 (16021806) 478970.37
3775040.02 14.17158 (15122518)
479020.37 3775040.02 14.73635 (15122518) 479070.37
3775040.02 14.96078 (13090718)
479120.37 3775040.02 16.46810 (13090718) 479170.37
3775040.02 17.07258 (13090718)
479220.37 3775040.02 16.62335 (13090718) 479270.37
3775040.02 16.03416 (14121123)
479320.37 3775040.02 15.69820 (14022508) 479370.37
3775040.02 15.94928 (14022508)
479420.37 3775040.02 15.34956 (16111019) 479470.37
3775040.02 15.71429 (16111019)
479520.37 3775040.02 15.16551 (16111019) 479570.37

3775040.02   13.80272 (16111019)
        479620.37   3775040.02   13.48771 (16122407)   479670.37
3775040.02   16.39425 (16122407)
        479720.37   3775040.02   20.44084 (16111018)   479770.37
3775040.02   20.07415 (16111018)
        479820.37   3775040.02   20.14988 (15062006)   479870.37
3775040.02   20.14868 (15062006)
        479920.37   3775040.02   19.93869 (15062006)   479970.37
3775040.02   19.18555 (15031120)
        477970.37   3775090.02   7.11279 (16021808)   478020.37
3775090.02   7.44401 (16021808)

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK   ***

INCLUDING SOURCE(S):   L0002885   , L0002886   , L0002887   , L0002888   , L0002889   ,
L0002890   , L0002891   , L0002892   , L0002893   , L0002894   , L0002895   , L0002896   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
        478070.37   3775090.02   7.72766 (16021808)   478120.37
3775090.02   7.94685 (16021808)
        478170.37   3775090.02   8.05341 (16021808)   478220.37
3775090.02   8.32513 (14091624)
        478270.37   3775090.02   8.78702 (14091624)   478320.37
3775090.02   9.10216 (14091624)
        478370.37   3775090.02   9.27176 (14091624)   478420.37
3775090.02   9.64643 (16092018)
        478470.37   3775090.02   10.17181 (16092018)   478520.37
3775090.02   10.51418 (16092018)
        478570.37   3775090.02   10.69527 (14040103)   478620.37
3775090.02   10.96078 (14040103)
        478670.37   3775090.02   11.41513 (13021808)   478720.37
3775090.02   11.81466 (13021808)

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        478770.37   3775090.02       12.11975  (16121606)               478820.37
3775090.02       12.48355  (16021806)
        478870.37   3775090.02       12.75368  (16021806)               478920.37
3775090.02       12.62752  (14040102)
        478970.37   3775090.02       13.41669  (15122518)               479020.37
3775090.02       13.70485  (15122518)
        479070.37   3775090.02       14.27732  (13090718)               479120.37
3775090.02       15.47816  (13090718)
        479170.37   3775090.02       15.86454  (13090718)               479220.37
3775090.02       15.33699  (13090718)
        479270.37   3775090.02       14.89407  (14121123)               479320.37
3775090.02       14.56866  (14022508)
        479370.37   3775090.02       14.83124  (14022508)               479420.37
3775090.02       14.21463  (14022508)
        479470.37   3775090.02       14.60446  (16111019)               479520.37
3775090.02       14.26369  (16111019)
        479570.37   3775090.02       13.19668  (16111019)               479620.37
3775090.02       12.23969  (16122407)
        479670.37   3775090.02       12.85696  (16122407)               479720.37
3775090.02       18.85851  (16122407)
        479770.37   3775090.02       20.04381  (16111018)               479820.37
3775090.02       18.92053  (16112621)
        479870.37   3775090.02       19.16504  (15062006)               479920.37
3775090.02       19.40716  (15062006)
        479970.37   3775090.02       18.13751  (15031120)               477970.37
3775140.02        7.03785  (16021808)
        478020.37   3775140.02        7.26269  (16021808)               478070.37
3775140.02        7.42877  (16021808)
        478120.37   3775140.02        7.52183  (16021808)               478170.37
3775140.02        7.81898  (14091624)
        478220.37   3775140.02        8.19543  (14091624)               478270.37
3775140.02        8.50142  (14091624)
        478320.37   3775140.02        8.65002  (14091624)               478370.37
3775140.02        8.91643  (16092018)
        478420.37   3775140.02        9.44067  (16092018)               478470.37
3775140.02        9.76272  (16092018)
        478520.37   3775140.02        9.89174  (16092018)               478570.37
3775140.02       10.16971  (14040103)
        478620.37   3775140.02       10.44605  (13021808)               478670.37
3775140.02       10.92526  (13021808)
        478720.37   3775140.02       11.13068  (16121606)               478770.37
3775140.02       11.41817  (16121606)
        478820.37   3775140.02       11.81107  (16021806)               478870.37
3775140.02       11.82208  (16021806)
        478920.37   3775140.02       12.06912  (15122518)               478970.37
3775140.02       12.66220  (15122518)
        479020.37   3775140.02       12.73175  (15122518)               479070.37
3775140.02       13.61268  (13090718)
        479120.37   3775140.02       14.56123  (13090718)               479170.37
3775140.02       14.77711  (13090718)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 ,
L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479220.37	3775140.02	14.19800	(13090718)	479270.37	3775140.02	13.88466	(14121123)
479320.37	3775140.02	13.57059	(14022508)	479370.37	3775140.02	13.83876	(14022508)
479420.37	3775140.02	13.34077	(14022508)	479470.37	3775140.02	13.60841	(16111019)
479520.37	3775140.02	13.42357	(16111019)	479570.37	3775140.02	12.59292	(16111019)
479620.37	3775140.02	11.54162	(12022721)	479670.37	3775140.02	11.83570	(16122407)
479720.37	3775140.02	17.62332	(16122407)	479770.37	3775140.02	18.82590	(16111018)
479820.37	3775140.02	18.30507	(16111018)	479870.37	3775140.02	17.74807	(16112621)
479920.37	3775140.02	18.50459	(15062006)	479970.37	3775140.02	17.97241	(15062006)
477970.37	3775190.02	6.84797	(16021808)	478020.37	3775190.02	6.96902	(16021808)
478070.37	3775190.02	7.02520	(16021808)	478120.37	3775190.02	7.36272	(14091624)
478170.37	3775190.02	7.69565	(14091624)	478220.37	3775190.02	7.93725	(14091624)
478270.37	3775190.02	8.09629	(14091624)	478320.37	3775190.02	8.30471	(16092018)
478370.37	3775190.02	8.75788	(16092018)	478420.37			

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3775190.02        9.10514  (16092018)
        478470.37   3775190.02        9.24304  (16092018)                478520.37
3775190.02        9.45559  (14040103)
        478570.37   3775190.02        9.56475  (13021808)                478620.37
3775190.02       10.09351  (13021808)
        478670.37   3775190.02       10.34582  (13021808)                478720.37
3775190.02       10.61160  (16121606)
        478770.37   3775190.02       10.87332  (16021806)                478820.37
3775190.02       11.10403  (16021806)
        478870.37   3775190.02       10.98132  (14040102)                478920.37
3775190.02       11.54644  (15122518)
        478970.37   3775190.02       11.92208  (15122518)                479020.37
3775190.02       11.90661  (15100406)
        479070.37   3775190.02       12.97247  (13090718)                479120.37
3775190.02       13.71310  (13090718)
        479170.37   3775190.02       13.79560  (13090718)                479220.37
3775190.02       13.18449  (13090718)
        479270.37   3775190.02       12.98579  (14121123)                479320.37
3775190.02       12.68334  (14022508)
        479370.37   3775190.02       12.95294  (14022508)                479420.37
3775190.02       12.55033  (14022508)
        479470.37   3775190.02       12.70557  (16111019)                479520.37
3775190.02       12.64284  (16111019)
        479570.37   3775190.02       12.00738  (16111019)                479620.37
3775190.02       10.88194  (16111019)
        479670.37   3775190.02       10.87446  (16122407)                479720.37
3775190.02       16.49925  (13100921)
        479770.37   3775190.02       17.51327  (16111018)                479820.37
3775190.02       17.50452  (16111018)
        479870.37   3775190.02       17.41583  (16111018)                479920.37
3775190.02       17.33679  (15062006)
        479970.37   3775190.02       17.70022  (15062006)                477970.37
3775240.02        6.56063  (16021808)
        478020.37   3775240.02        6.58558  (16021808)                478070.37
3775240.02        6.93428  (14091624)
        478120.37   3775240.02        7.24562  (14091624)                478170.37
3775240.02        7.45965  (14091624)
        478220.37   3775240.02        7.57440  (14091624)                478270.37
3775240.02        7.75908  (16092018)
        478320.37   3775240.02        8.18213  (16092018)                478370.37
3775240.02        8.48409  (16092018)
        478420.37   3775240.02        8.66847  (16092018)                478470.37
3775240.02        8.81891  (14040103)
        478520.37   3775240.02        8.95291  (14040103)                478570.37
3775240.02        9.32030  (13021808)
        478620.37   3775240.02        9.63663  (13021808)                478670.37
3775240.02        9.83808  (16121606)
        478720.37   3775240.02       10.03796  (16121606)                478770.37
3775240.02       10.34423  (16021806)
        478820.37   3775240.02       10.38520  (16021806)                478870.37
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3775240.02   10.38895 (15122518)
        478920.37   3775240.02   11.00923 (15122518)   478970.37
3775240.02   11.20584 (15122518)
        479020.37   3775240.02   11.30811 (15100406)   479070.37
3775240.02   12.36000 (13090718)
        479120.37   3775240.02   12.92903 (13090718)   479170.37
3775240.02   12.90726 (13090718)
        479220.37   3775240.02   12.27848 (13090718)   479270.37
3775240.02   12.18113 (14121123)
        479320.37   3775240.02   11.89027 (14022508)   479370.37
3775240.02   12.15837 (14022508)
        479420.37   3775240.02   11.83349 (14022508)   479470.37
3775240.02   11.87220 (16111019)
        479520.37   3775240.02   11.91832 (16111019)   479570.37
3775240.02   11.43809 (16111019)
        479620.37   3775240.02   10.50687 (16111019)   479670.37
3775240.02   12.42892 (12022721)
        479720.37   3775240.02   15.50977 (13100921)   479770.37
3775240.02   16.24671 (13100921)
        479820.37   3775240.02   16.56522 (16111018)   479870.37
3775240.02   16.95003 (16111018)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                   INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                 L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        479920.37   3775240.02   16.13859 (16112621)   479970.37
3775240.02   16.84124 (15062006)
        477970.37   3775290.02   6.21377 (15031807)   478020.37
3775290.02   6.55279 (14091624)

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        478070.37   3775290.02        6.82379  (14091624)               478120.37
3775290.02        7.02911  (14091624)
        478170.37   3775290.02        7.13118  (14091624)               478220.37
3775290.02        7.24338  (16092018)
        478270.37   3775290.02        7.66547  (16092018)               478320.37
3775290.02        7.95665  (16092018)
        478370.37   3775290.02        8.11819  (16092018)               478420.37
3775290.02        8.25128  (14040103)
        478470.37   3775290.02        8.40673  (14040103)               478520.37
3775290.02        8.61379  (13021808)
        478570.37   3775290.02        8.98850  (13021808)               478620.37
3775290.02        9.12763  (13021808)
        478670.37   3775290.02        9.39944  (16121606)               478720.37
3775290.02        9.61382  (16021806)
        478770.37   3775290.02        9.78456  (16021806)               478820.37
3775290.02        9.67376  (14040102)
        478870.37   3775290.02       10.02385  (15122518)               478920.37
3775290.02       10.46898  (15122518)
        478970.37   3775290.02       10.51963  (15122518)               479020.37
3775290.02       10.89444  (13090718)
        479070.37   3775290.02       11.77692  (13090718)               479120.37
3775290.02       12.20420  (13090718)
        479170.37   3775290.02       12.10105  (13090718)               479220.37
3775290.02       11.46509  (13090718)
        479270.37   3775290.02       11.45734  (14121123)               479320.37
3775290.02       11.17784  (14022508)
        479370.37   3775290.02       11.44239  (14022508)               479420.37
3775290.02       11.18124  (14022508)
        479470.37   3775290.02       11.12058  (16111019)               479520.37
3775290.02       11.24641  (16111019)
        479570.37   3775290.02       10.88836  (16111019)               479620.37
3775290.02       10.12941  (16111019)
        479670.37   3775290.02       12.34266  (12022721)               479720.37
3775290.02       14.99228  (16092620)
        479770.37   3775290.02       15.52206  (13100921)               479820.37
3775290.02       15.53968  (16111018)
        479870.37   3775290.02       16.30382  (16111018)               479920.37
3775290.02       15.45133  (16111018)
        479970.37   3775290.02       15.98984  (15062006)               477970.37
3775340.02        6.19190  (14091624)
        478020.37   3775340.02        6.44824  (14091624)               478070.37
3775340.02        6.61740  (14091624)
        478120.37   3775340.02        6.73050  (14091624)               478170.37
3775340.02        6.80592  (16092018)
        478220.37   3775340.02        7.17425  (16092018)               478270.37
3775340.02        7.47659  (16092018)
        478320.37   3775340.02        7.64715  (16092018)               478370.37
3775340.02        7.70859  (14040103)
        478420.37   3775340.02        7.91290  (14040103)               478470.37
3775340.02        7.97590  (13021808)
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        478520.37   3775340.02        8.37116  (13021808)               478570.37
3775340.02        8.59054  (13021808)
        478620.37   3775340.02        8.75586  (16121606)               478670.37
3775340.02        8.91728  (16121606)
        478720.37   3775340.02        9.18664  (16021806)               478770.37
3775340.02        9.21087  (16021806)
        478820.37   3775340.02        9.16323  (14040102)               478870.37
3775340.02        9.63823  (15122518)
        478920.37   3775340.02        9.93431  (15122518)               478970.37
3775340.02        9.86715  (15122518)
        479020.37   3775340.02       10.49272  (13090718)               479070.37
3775340.02       11.22378  (13090718)
        479120.37   3775340.02       11.53383  (13090718)               479170.37
3775340.02       11.36743  (13090718)
        479220.37   3775340.02       10.75391  (14121123)               479270.37
3775340.02       10.80341  (14121123)
        479320.37   3775340.02       10.53492  (14022508)               479370.37
3775340.02       10.79451  (14022508)
        479420.37   3775340.02       10.58590  (14022508)               479470.37
3775340.02       10.43773  (16111019)
        479520.37   3775340.02       10.62340  (16111019)               479570.37
3775340.02       10.37454  (16111019)
        479620.37   3775340.02        9.75445  (16111019)               479670.37
3775340.02       11.73647  (12022721)
        479720.37   3775340.02       14.43363  (16092620)               479770.37
3775340.02       14.73600  (13100921)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 242
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORK     ***
                                    INCLUDING SOURCE(S):     L0002885    , L0002886
, L0002887    , L0002888    , L0002889    ,
                 L0002890    , L0002891    , L0002892    , L0002893    , L0002894
, L0002895    , L0002896    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        479820.37   3775340.02       14.47094  (16111018)                479870.37
3775340.02       15.52574  (16111018)
        479920.37   3775340.02       15.08388  (16111018)                479970.37
3775340.02       15.08110  (13070304)
        477970.37   3775390.02        6.09345  (14091624)                478020.37
3775390.02        6.26532  (14091624)
        478070.37   3775390.02        6.34627  (14091624)                478120.37
3775390.02        6.41022  (16092018)
        478170.37   3775390.02        6.75568  (16092018)                478220.37
3775390.02        7.02260  (16092018)
        478270.37   3775390.02        7.19229  (16092018)                478320.37
3775390.02        7.27276  (16092018)
        478370.37   3775390.02        7.43307  (14040103)                478420.37
3775390.02        7.51699  (14040103)
        478470.37   3775390.02        7.80444  (13021808)                478520.37
3775390.02        8.05679  (13021808)
        478570.37   3775390.02        8.16576  (16121606)                478620.37
3775390.02        8.38270  (16121606)
        478670.37   3775390.02        8.58223  (16021806)                478720.37
3775390.02        8.73281  (16021806)
        478770.37   3775390.02        8.63620  (16021806)                478820.37
3775390.02        8.80336  (15122518)
        478870.37   3775390.02        9.24117  (15122518)                478920.37
3775390.02        9.41149  (15122518)
        478970.37   3775390.02        9.39025  (15100406)                479020.37
3775390.02       10.09900  (13090718)
        479070.37   3775390.02       10.70037  (13090718)                479120.37
3775390.02       10.91342  (13090718)
        479170.37   3775390.02       10.69813  (13090718)                479220.37
3775390.02       10.18645  (14121123)
        479270.37   3775390.02       10.21020  (14121123)                479320.37
3775390.02        9.95230  (14022508)
        479370.37   3775390.02       10.20597  (14022508)                479420.37
3775390.02       10.04087  (14022508)
        479470.37   3775390.02        9.81396  (16111019)                479520.37
3775390.02       10.04558  (16111019)
        479570.37   3775390.02        9.89227  (16111019)                479620.37
3775390.02       10.02938  (16111019)
        479670.37   3775390.02       13.86561  (15101020)                479720.37
3775390.02       13.83638  (16092620)
        479770.37   3775390.02       13.91579  (13100921)                479820.37
3775390.02       14.23630  (13100921)
        479870.37   3775390.02       14.65872  (16111018)                479920.37
3775390.02       15.11733  (16111018)
        479970.37   3775390.02       14.44729  (16111018)                477970.37
3775440.02        5.92462  (14091624)
        478020.37   3775440.02        6.01061  (14091624)                478070.37
3775440.02        6.03005  (16092018)
        478120.37   3775440.02        6.35339  (16092018)                478170.37
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3775440.02   6.63113 (16092018)
        478220.37   3775440.02   6.80116 (16092018)   478270.37
3775440.02   6.87078 (16092018)
        478320.37   3775440.02   7.01182 (14040103)   478370.37
3775440.02   7.10196 (14040103)
        478420.37   3775440.02   7.26661 (13021808)   478470.37
3775440.02   7.56976 (13021808)
        478520.37   3775440.02   7.69814 (13021808)   478570.37
3775440.02   7.88029 (16121606)
        478620.37   3775440.02   7.97684 (16121606)   478670.37
3775440.02   8.22128 (16021806)
        478720.37   3775440.02   8.26471 (16021806)   478770.37
3775440.02   8.19167 (14040102)
        478820.37   3775440.02   8.52282 (15122518)   478870.37
3775440.02   8.85531 (15122518)
        478920.37   3775440.02   8.90496 (15122518)   478970.37
3775440.02   8.99096 (15100406)
        479020.37   3775440.02   9.71569 (13090718)   479070.37
3775440.02   10.20596 (13090718)
        479120.37   3775440.02   10.33870 (13090718)   479170.37
3775440.02   10.08597 (13090718)
        479220.37   3775440.02   9.66715 (14121123)   479270.37
3775440.02   9.67005 (14121123)
        479320.37   3775440.02   9.42226 (14022508)   479370.37
3775440.02   9.66941 (14022508)
        479420.37   3775440.02   9.54050 (14022508)   479470.37
3775440.02   9.26736 (13050520)
        479520.37   3775440.02   9.50942 (16111019)   479570.37
3775440.02   9.43123 (16111019)
        479620.37   3775440.02   9.65504 (16111019)   479670.37
3775440.02   13.44625 (15101020)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                    INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                 L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479720.37	3775440.02	13.51759	(16092620)	479770.37	3775440.02	13.32069	(16092620)
479820.37	3775440.02	13.85777	(13100921)	479870.37	3775440.02	13.84475	(16111018)
479920.37	3775440.02	14.59969	(16111018)	479970.37	3775440.02	14.15730	(16111018)
477970.37	3775490.02	5.69739	(14091624)	478020.37	3775490.02	5.69787	(14091624)
478070.37	3775490.02	6.00681	(16092018)	478120.37	3775490.02	6.25193	(16092018)
478170.37	3775490.02	6.43577	(16092018)	478220.37	3775490.02	6.52328	(16092018)
478270.37	3775490.02	6.60727	(14040103)	478320.37	3775490.02	6.72997	(14040103)
478370.37	3775490.02	6.78888	(13021808)	478420.37	3775490.02	7.09309	(13021808)
478470.37	3775490.02	7.28504	(13021808)	478520.37	3775490.02	7.37463	(16121606)
478570.37	3775490.02	7.55773	(16121606)	478620.37	3775490.02	7.71322	(16021806)
478670.37	3775490.02	7.84844	(16021806)	478720.37	3775490.02	7.79234	(16021806)
478770.37	3775490.02	7.77936	(15122518)	478820.37	3775490.02	8.22735	(15122518)
478870.37	3775490.02	8.45404	(15122518)	478920.37	3775490.02	8.41771	(15122518)
478970.37	3775490.02	8.65348	(13090718)	479020.37	3775490.02	9.34444	(13090718)
479070.37	3775490.02	9.73948	(13090718)	479120.37	3775490.02	9.80577	(13090718)
479170.37	3775490.02	9.52473	(13090718)	479220.37	3775490.02	9.19052	(14121123)
479270.37	3775490.02	9.17651	(14121123)	479320.37	3775490.02	8.93836	(14022508)
479370.37	3775490.02	9.17860	(14022508)	479420.37	3775490.02	9.07990	(14022508)
479470.37	3775490.02	8.78382	(13050520)	479520.37	3775490.02	9.01154	(16111019)
479570.37	3775490.02	8.99410	(16111019)	479620.37	3775490.02	9.28867	(16111019)
479670.37	3775490.02	12.95818	(15101020)	479720.37	3775490.02	13.20069	(16092620)
479770.37	3775490.02	12.90338	(16092620)	479820.37	3775490.02	13.32110	(13100921)

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        479870.37   3775490.02       13.37047  (13100921)                479920.37
3775490.02       13.86128  (16111018)
        479970.37   3775490.02       13.78708  (16111018)                477970.37
3775540.02        5.42316  (14091624)
        478020.37   3775540.02        5.67353  (16092018)                478070.37
3775540.02        5.91278  (16092018)
        478120.37   3775540.02        6.09277  (16092018)                478170.37
3775540.02        6.18380  (16092018)
        478220.37   3775540.02        6.25226  (14040103)                478270.37
3775540.02        6.37537  (14040103)
        478320.37   3775540.02        6.40068  (14040103)                478370.37
3775540.02        6.66451  (13021808)
        478420.37   3775540.02        6.87009  (13021808)                478470.37
3775540.02        6.95825  (13021808)
        478520.37   3775540.02        7.12424  (16121606)                478570.37
3775540.02        7.21966  (16021806)
        478620.37   3775540.02        7.42245  (16021806)                478670.37
3775540.02        7.45666  (16021806)
        478720.37   3775540.02        7.39193  (14040102)                478770.37
3775540.02        7.57524  (15122518)
        478820.37   3775540.02        7.92279  (15122518)                478870.37
3775540.02        8.04859  (15122518)
        478920.37   3775540.02        7.96097  (15100406)                478970.37
3775540.02        8.39416  (13090718)
        479020.37   3775540.02        8.98629  (13090718)                479070.37
3775540.02        9.29969  (13090718)
        479120.37   3775540.02        9.31101  (13090718)                479170.37
3775540.02        9.00897  (13090718)
        479220.37   3775540.02        8.75182  (14121123)                479270.37
3775540.02        8.72410  (14121123)
        479320.37   3775540.02        8.49509  (14022508)                479370.37
3775540.02        8.72824  (14022508)
        479420.37   3775540.02        8.65485  (14022508)                479470.37
3775540.02        8.33741  (13050520)
        479520.37   3775540.02        8.54884  (16111019)                479570.37
3775540.02        8.58132  (16111019)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:39:05

                                   PAGE 244
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FORK     ***
                                   INCLUDING SOURCE(S):     L0002885    , L0002886
, L0002887    , L0002888    , L0002889    ,
                 L0002890    , L0002891    , L0002892    , L0002893    , L0002894
, L0002895    , L0002896    ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479620.37	3775540.02	8.93287	(16111019)	479670.37	3775540.02	12.46482	(15101020)
479720.37	3775540.02	12.54597	(12022721)	479770.37	3775540.02	13.10062	(16092620)
479820.37	3775540.02	12.62453	(13100921)	479870.37	3775540.02	13.26877	(13100921)
479920.37	3775540.02	13.11622	(15090206)	479970.37	3775540.02	13.70260	(16111018)
478861.36	3774619.36	24.89631	(16092018)	478791.49	3774517.73	25.99079	(16021808)
478789.65	3774444.30	27.45214	(13050502)	478748.80	3774449.81	25.53848	(15091504)
479103.48	3774681.38	28.28507	(15122518)	479094.51	3774696.20	27.11672	(15122518)
479077.34	3774696.98	26.12559	(15122518)	479101.53	3774731.70	25.64949	(15122518)
479782.92	3774151.51	42.50581	(13101617)	479890.06	3774169.23	32.17735	(13101617)
479890.06	3774137.17	32.20183	(13062919)	479913.68	3774138.01	30.48902	(13062919)
479911.15	3774168.38	30.61433	(13101617)	479885.84	3774064.62	32.19979	(15020417)
480398.50	3774179.13	22.86412	(12082920)	480448.50	3774179.13	22.13968	(13081621)
480498.50	3774179.13	21.20081	(13081621)	479998.50	3774229.13	35.56620	(12092320)
480048.50	3774229.13	33.10638	(12092320)	480098.50	3774229.13	31.54316	(12092320)
480148.50	3774229.13	29.12182	(15101421)	480198.50	3774229.13	27.36889	(15101421)
480248.50	3774229.13	26.23866	(15101421)	480298.50	3774229.13	25.22435	(12082821)
480348.50	3774229.13	24.09425	(12082821)	480398.50	3774229.13	23.54482	(12082821)
480448.50	3774229.13	22.17786	(12081624)	480498.50	3774229.13	21.72499	(12081624)
479998.50	3774279.13	34.96433	(15070506)	480048.50	3774279.13	32.59991	(16062906)
480098.50	3774279.13	31.37244	(16062906)	480148.50			

3774279.13 29.04053 (13083021)
 480198.50 3774279.13 27.72548 (13083021) 480248.50
3774279.13 25.85715 (15062921)
 480298.50 3774279.13 24.70574 (13081821) 480348.50
3774279.13 23.89651 (16072724)
 480398.50 3774279.13 23.10535 (14082821) 480448.50
3774279.13 21.87064 (14082821)
 480498.50 3774279.13 21.14300 (14082821) 479998.50
3774329.13 34.38588 (14061006)
 480048.50 3774329.13 32.10152 (14061006) 480098.50
3774329.13 30.47864 (12081023)
 480148.50 3774329.13 28.31662 (15062706) 480198.50
3774329.13 27.62618 (16062906)
 480248.50 3774329.13 25.90556 (16062906) 480298.50
3774329.13 24.82018 (16062906)
 480348.50 3774329.13 23.49334 (16062906) 480398.50
3774329.13 22.43964 (12092122)
 480448.50 3774329.13 21.65755 (12092122) 480498.50
3774329.13 20.72012 (16072724)
 479998.50 3774379.13 33.42531 (16062023) 480048.50
3774379.13 31.27002 (16111417)
 480098.50 3774379.13 29.63721 (16111417) 480148.50
3774379.13 27.59766 (14061006)
 480198.50 3774379.13 26.97793 (15090822) 480248.50
3774379.13 25.10076 (14061006)
 480298.50 3774379.13 24.02354 (12082921) 480348.50
3774379.13 23.09719 (12082921)
 480398.50 3774379.13 21.83146 (12082921) 480448.50
3774379.13 21.44133 (12071820)
 480498.50 3774379.13 20.54710 (12071820) 479998.50
3774429.13 32.38950 (13081722)
 480048.50 3774429.13 30.85907 (15062801) 480098.50
3774429.13 28.95557 (16062023)
 480148.50 3774429.13 27.35700 (16062023) 480198.50
3774429.13 26.10471 (16111417)
 480248.50 3774429.13 24.69007 (15090822) 480298.50
3774429.13 24.00236 (15090822)
 480348.50 3774429.13 22.89134 (15090822) 480398.50
3774429.13 21.98767 (15090822)
 480448.50 3774429.13 20.99534 (13070105) 480498.50
3774429.13 20.18039 (16081622)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: FORK   ***
                                INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        479998.50   3774479.13   31.28003 (13062306)   480048.50
3774479.13   29.89347 (13062306)
        480098.50   3774479.13   28.15781 (13081722)   480148.50
3774479.13   26.82559 (13081722)
        480198.50   3774479.13   25.47957 (14082123)   480248.50
3774479.13   23.96935 (14082123)
        480298.50   3774479.13   23.48124 (16072822)   480348.50
3774479.13   22.18696 (16072822)
        480398.50   3774479.13   21.99564 (15090822)   480448.50
3774479.13   20.98065 (15090822)
        480498.50   3774479.13   20.27866 (15090822)   479998.50
3774529.13   30.79951 (15082722)
        480048.50   3774529.13   29.14911 (14083022)   480098.50
3774529.13   27.20372 (13062306)
        480148.50   3774529.13   26.37796 (12080223)   480198.50
3774529.13   24.90362 (13081722)
        480248.50   3774529.13   23.51875 (12091522)   480298.50
3774529.13   23.07284 (12091522)
        480348.50   3774529.13   21.78600 (16072622)   480398.50
3774529.13   21.44020 (16072622)
        480448.50   3774529.13   20.40714 (16072822)   480498.50
3774529.13   20.18269 (16072822)
        479998.50   3774579.13   29.65214 (15072106)   480048.50
3774579.13   27.97075 (16072821)
        480098.50   3774579.13   27.49591 (15082722)   480148.50
3774579.13   25.79151 (14083022)
        480198.50   3774579.13   24.15976 (13062306)   480248.50
3774579.13   23.57254 (15101218)
        480298.50   3774579.13   22.33871 (15061206)   480348.50
3774579.13   22.12206 (12091522)
        480398.50   3774579.13   21.10904 (12091522)   480448.50
3774579.13   20.40663 (16072622)
        480498.50   3774579.13   19.85300 (16072622)   479998.50
3774629.13   28.55315 (15072106)

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        480048.50   3774629.13       27.09823  (15072106)                480098.50
3774629.13       26.04772  (16061920)
        480148.50   3774629.13       24.88316  (15082722)                480198.50
3774629.13       24.10641  (15082722)
        480248.50   3774629.13       23.09753  (12092123)                480298.50
3774629.13       22.75345  (15101218)
        480348.50   3774629.13       21.54432  (15101218)                480398.50
3774629.13       20.35860  (13062521)
        480448.50   3774629.13       20.33460  (12091522)                480498.50
3774629.13       19.81650  (12091522)
        479998.50   3774679.13       27.49519  (12071219)                480048.50
3774679.13       26.03671  (14092320)
        480098.50   3774679.13       25.49606  (15072106)                480148.50
3774679.13       23.77973  (15072106)
        480198.50   3774679.13       23.56455  (12071222)                480248.50
3774679.13       22.67370  (16072221)
        480298.50   3774679.13       22.32728  (16072221)                480348.50
3774679.13       21.13523  (15101218)
        480398.50   3774679.13       20.98674  (15101218)                480448.50
3774679.13       19.86642  (14090823)
        480498.50   3774679.13       19.67259  (13090822)                479998.50
3774729.13       26.88851  (12071219)
        480048.50   3774729.13       25.68405  (12071219)                480098.50
3774729.13       24.35930  (14092320)
        480148.50   3774729.13       23.69931  (15072106)                480198.50
3774729.13       22.70388  (15072106)
        480248.50   3774729.13       22.65127  (12071222)                480298.50
3774729.13       21.57136  (16072221)
        480348.50   3774729.13       21.01540  (16072221)                480398.50
3774729.13       20.46198  (12091420)
        480448.50   3774729.13       20.03536  (13090224)                480498.50
3774729.13       19.36884  (15101218)
        479998.50   3774779.13       24.86117  (12071219)                480048.50
3774779.13       25.15038  (12071219)
        480098.50   3774779.13       23.60409  (12071219)                480148.50
3774779.13       22.71971  (14092320)
        480198.50   3774779.13       22.12187  (14092320)                480248.50
3774779.13       21.62176  (15072106)
        480298.50   3774779.13       20.75381  (12071222)                480348.50
3774779.13       20.94425  (12071222)
        480398.50   3774779.13       19.98530  (16072221)                480448.50
3774779.13       19.71668  (16072221)
        480498.50   3774779.13       18.95575  (13090224)                479998.50
3774829.13       23.34749  (13063021)
        480048.50   3774829.13       23.31954  (15090821)                480098.50
3774829.13       22.90308  (12071219)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                          ***       10:39:05
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 ,
L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480148.50	3774829.13	22.06522	(12071219)	480198.50	3774829.13	21.25330	(14092320)
480248.50	3774829.13	20.92263	(14092320)	480298.50	3774829.13	19.99424	(15072106)
480348.50	3774829.13	19.89761	(14042023)	480398.50	3774829.13	19.40585	(12071222)
480448.50	3774829.13	19.34353	(12071222)	480498.50	3774829.13	18.75725	(16072221)
479998.50	3774879.13	23.09021	(13063021)	480048.50	3774879.13	22.09133	(15090821)
480098.50	3774879.13	21.30838	(15090821)	480148.50	3774879.13	21.34812	(12071219)
480198.50	3774879.13	20.59636	(12071219)	480248.50	3774879.13	20.06201	(16072303)
480298.50	3774879.13	19.38379	(14092320)	480348.50	3774879.13	19.13352	(14040821)
480398.50	3774879.13	19.04529	(14042023)	480448.50	3774879.13	18.66380	(12071222)
480498.50	3774879.13	18.33410	(12071222)	479998.50	3774929.13	21.74059	(14101507)
480048.50	3774929.13	21.45175	(13063021)	480098.50	3774929.13	20.25546	(15090821)
480148.50	3774929.13	20.55345	(15090821)	480198.50	3774929.13	19.84176	(12071219)
480248.50	3774929.13	19.67042	(16072303)	480298.50	3774929.13	18.72254	(16072303)
480348.50	3774929.13	18.77954	(14040821)	480398.50	3774929.13	18.64278	(14040821)
480448.50	3774929.13	17.98476	(12071323)	480498.50			

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3774929.13       17.95156  (14081423)
        479998.50   3774979.13       20.63496  (16090403)                480048.50
3774979.13       20.24925  (14071423)
        480098.50   3774979.13       19.71689  (13063021)                480148.50
3774979.13       19.59628  (15090821)
        480198.50   3774979.13       18.98235  (15090821)                480248.50
3774979.13       18.86406  (16062824)
        480298.50   3774979.13       18.27261  (16072303)                480348.50
3774979.13       18.22430  (16072303)
        480398.50   3774979.13       18.13603  (14040821)                480448.50
3774979.13       17.53526  (14040821)
        480498.50   3774979.13       17.61456  (12071323)                479998.50
3775029.13       19.48059  (16090403)
        480048.50   3775029.13       19.22871  (16090403)                480098.50
3775029.13       18.69773  (14071423)
        480148.50   3775029.13       18.97369  (12081701)                480198.50
3775029.13       18.14713  (15090821)
        480248.50   3775029.13       18.32276  (15090821)                480298.50
3775029.13       17.53972  (16062824)
        480348.50   3775029.13       17.85457  (15081622)                480398.50
3775029.13       17.68069  (16072303)
        480448.50   3775029.13       16.95158  (16101122)                480498.50
3775029.13       17.08611  (14040821)
        479998.50   3775079.13       18.71297  (15031120)                480048.50
3775079.13       18.35758  (16090403)
        480098.50   3775079.13       17.74114  (14101507)                480148.50
3775079.13       18.12824  (14071423)
        480198.50   3775079.13       17.58260  (12081701)                480248.50
3775079.13       16.87218  (15090821)
        480298.50   3775079.13       17.09880  (15090821)                480348.50
3775079.13       17.10901  (15081622)
        480398.50   3775079.13       17.42899  (15081622)                480448.50
3775079.13       17.00859  (13082824)
        480498.50   3775079.13       16.88410  (13082824)                479998.50
3775129.13       17.77317  (15031120)
        480048.50   3775129.13       17.55861  (15031120)                480098.50
3775129.13       17.06485  (16090403)
        480148.50   3775129.13       17.29634  (16072601)                480198.50
3775129.13       16.88068  (14071423)
        480248.50   3775129.13       16.43621  (12081701)                480298.50
3775129.13       16.42066  (15090821)
        480348.50   3775129.13       16.80004  (16091921)                480398.50
3775129.13       16.70424  (15081622)
        480448.50   3775129.13       16.83503  (15081622)                480498.50
3775129.13       16.46085  (15081622)
        479998.50   3775179.13       17.50876  (15062006)                480048.50
3775179.13       16.85159  (15031120)
        480098.50   3775179.13       16.92788  (16072103)                480148.50
3775179.13       16.59991  (16102719)
        480198.50   3775179.13       16.38459  (16072601)                480248.50
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
                                    INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
                 L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        480298.50   3775179.13   16.53551 (12081701)   480348.50
3775179.13   16.57060 (16091921)
        480398.50   3775179.13   16.28644 (16091921)   480448.50
3775179.13   16.56784 (15081622)
        480498.50   3775179.13   16.64169 (15081622)   479998.50
3775229.13   17.03296 (15062006)
        480048.50   3775229.13   15.97627 (15062006)   480098.50
3775229.13   16.36003 (15031120)
        480148.50   3775229.13   15.95338 (16072103)   480198.50
3775229.13   15.61660 (16102719)
        480248.50   3775229.13   15.84156 (16072601)   480298.50
3775229.13   16.12930 (12081701)
        480348.50   3775229.13   16.22469 (12081701)   480398.50
3775229.13   16.33981 (16091921)
        480448.50   3775229.13   16.38750 (16091921)   480498.50
3775229.13   15.91974 (15081622)
        479998.50   3775279.13   16.28026 (15062006)   480048.50
3775279.13   15.74773 (15062006)
        480098.50   3775279.13   15.57123 (15031120)   480148.50
3775279.13   15.37787 (16072103)
        480198.50   3775279.13   15.06935 (16102719)   480248.50
3775279.13   15.23398 (16102719)
        480298.50   3775279.13   15.34053 (16072601)   480348.50
3775279.13   15.91247 (12081701)

480398.50 3775279.13 15.78418 (13020223) 480448.50 3775279.13 16.03275 (16091921)
480498.50 3775279.13 15.88103 (16091921) 479998.50 3775329.13 15.32408 (15062006)
480048.50 3775329.13 15.25441 (15062006) 480098.50 3775329.13 15.04032 (15062006)
480148.50 3775329.13 14.70342 (15031120) 480198.50 3775329.13 15.04006 (16072103)
480248.50 3775329.13 14.72004 (16102719) 480298.50 3775329.13 15.30589 (16102719)
480348.50 3775329.13 15.30487 (16072601) 480398.50 3775329.13 15.81748 (13020223)
480448.50 3775329.13 15.47702 (13082422) 480498.50 3775329.13 15.67660 (16091921)
479998.50 3775379.13 14.38519 (13070304) 480048.50 3775379.13 14.72352 (15062006)
480098.50 3775379.13 14.78299 (15062006) 480148.50 3775379.13 13.99458 (15080323)
480198.50 3775379.13 14.54283 (16072103) 480248.50 3775379.13 14.83604 (16072103)
480298.50 3775379.13 15.29706 (16102719) 480348.50 3775379.13 15.27856 (15082521)
480398.50 3775379.13 15.48844 (15102518) 480448.50 3775379.13 15.53705 (15092423)
480498.50 3775379.13 15.44270 (13082422) 479998.50 3775429.13 13.83314 (13070304)
480048.50 3775429.13 14.33380 (15060920) 480098.50 3775429.13 14.27905 (15062006)
480148.50 3775429.13 14.13800 (15080323) 480198.50 3775429.13 13.93775 (13100906)
480248.50 3775429.13 14.83861 (16072103) 480298.50 3775429.13 14.85670 (16072103)
480348.50 3775429.13 15.42721 (15082701) 480398.50 3775429.13 15.58894 (15082521)
480448.50 3775429.13 15.28281 (15102518) 480498.50 3775429.13 15.35725 (15092423)
479998.50 3775479.13 13.80513 (16111018) 480048.50 3775479.13 13.73253 (13070304)
480098.50 3775479.13 13.60135 (15062006) 480148.50 3775479.13 13.87493 (16062104)
480198.50 3775479.13 14.20203 (15080323) 480248.50 3775479.13 14.69680 (13090824)
480298.50 3775479.13 15.14699 (13090824) 480348.50 3775479.13 15.28932 (15082701)
480398.50 3775479.13 15.54775 (15082701) 480448.50 3775479.13 15.23922 (14110620)
480498.50 3775479.13 15.45181 (15102518) 480254.72 3774120.37 26.36777 (12101317)
480287.52 3774147.62 25.53378 (12101317) 480349.09 3774140.55 24.21334 (14072421)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 , L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480381.90	3774044.67	23.56429	(12080921)	480443.97	3774003.79	22.25828	(15082922)
480407.64	3774005.81	22.96094	(15082922)	480390.48	3774008.33	23.26305	(12081021)
480543.03	3774446.66	19.73304	(16081622)	480593.03	3774446.66	19.52083	(16081622)
480643.03	3774446.66	18.69620	(15092522)	480693.03	3774446.66	18.35417	(15092522)
480743.03	3774446.66	17.56876	(15092522)	480793.03	3774446.66	17.56637	(14082722)
480843.03	3774446.66	16.93363	(14082722)	480893.03	3774446.66	16.54445	(14082722)
480943.03	3774446.66	16.18735	(14082722)	480993.03	3774446.66	15.52051	(14082722)
481043.03	3774446.66	15.19309	(13090823)	481093.03	3774446.66	14.81812	(13090823)
481143.03	3774446.66	14.60895	(13090823)	481193.03	3774446.66	14.43466	(12071324)
481243.03	3774446.66	14.25357	(12071324)	481293.03	3774446.66	14.14241	(12071324)
481343.03	3774446.66	14.02764	(12071324)	481393.03	3774446.66	13.64927	(13082322)
481443.03	3774446.66	13.51913	(13082322)	480543.03	3774496.66	19.56974	(15090822)
480593.03	3774496.66	19.07030	(15090822)	480643.03			

3774496.66 18.26413 (15062223)
480693.03 3774496.66 18.07599 (16081622) 480743.03
3774496.66 17.74154 (15082519)
480793.03 3774496.66 17.42879 (15082519) 480843.03
3774496.66 16.63054 (15082519)
480893.03 3774496.66 16.15852 (13071123) 480943.03
3774496.66 15.80965 (13071123)
480993.03 3774496.66 15.66729 (14082724) 481043.03
3774496.66 15.27037 (14082722)
481093.03 3774496.66 14.83816 (14082722) 481143.03
3774496.66 14.71972 (12091921)
481193.03 3774496.66 14.60960 (12091921) 481243.03
3774496.66 14.11972 (12091921)
481293.03 3774496.66 13.98989 (13090823) 481343.03
3774496.66 13.92927 (12090424)
481393.03 3774496.66 13.85555 (12090424) 481443.03
3774496.66 13.46671 (12071324)
481493.03 3774496.66 13.39323 (12071324) 480543.03
3774546.66 19.57948 (16072822)
480593.03 3774546.66 18.83828 (15090822) 480643.03
3774546.66 18.17112 (13070921)
480693.03 3774546.66 17.99412 (13070921) 480743.03
3774546.66 17.38547 (13070921)
480793.03 3774546.66 16.97534 (14060124) 480843.03
3774546.66 16.35982 (15082519)
480893.03 3774546.66 16.51773 (15082519) 480943.03
3774546.66 15.97840 (15082519)
480993.03 3774546.66 15.86592 (15082519) 481043.03
3774546.66 15.24292 (15082519)
481093.03 3774546.66 15.06403 (15082519) 481143.03
3774546.66 14.71848 (14082724)
481193.03 3774546.66 14.47163 (14082724) 481243.03
3774546.66 14.39291 (14082724)
481293.03 3774546.66 14.16943 (14082724) 481343.03
3774546.66 13.83730 (12091921)
481393.03 3774546.66 13.71840 (12091921) 481443.03
3774546.66 13.48452 (12090424)
481493.03 3774546.66 13.30835 (12090424) 481543.03
3774546.66 12.97793 (12090424)
480543.03 3774596.66 19.57079 (12081122) 480593.03
3774596.66 18.62023 (12081122)
480643.03 3774596.66 18.46176 (16072822) 480693.03
3774596.66 17.63904 (16072822)
480743.03 3774596.66 17.50410 (13070921) 480793.03
3774596.66 16.90715 (13070921)
480843.03 3774596.66 16.65284 (13070921) 480893.03
3774596.66 16.07038 (13111017)
480943.03 3774596.66 15.68468 (13111017) 480993.03
3774596.66 15.48049 (15082519)
481043.03 3774596.66 15.41849 (15082519) 481093.03

3774596.66 15.20417 (15082519)
  481143.03 3774596.66 15.12630 (15082519) 481193.03
3774596.66 14.77676 (15082519)
  481243.03 3774596.66 14.44628 (15082519) 481293.03
3774596.66 14.17529 (15080522)
  481343.03 3774596.66 13.91111 (15080522) 481393.03
3774596.66 13.66241 (14082724)
  481443.03 3774596.66 13.50379 (14082724) 481493.03
3774596.66 13.16895 (14082724)
  481543.03 3774596.66 12.97361 (15072402) 480543.03
3774646.66 19.16405 (13070124)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FORK ***
INCLUDING SOURCE(S): L0002885 , L0002886 , L0002887 , L0002888 , L0002889 ,
L0002890 , L0002891 , L0002892 , L0002893 , L0002894 , L0002895 , L0002896 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480593.03	3774646.66	18.69974	(12081122)	480643.03	3774646.66	18.39859	(12081122)
480693.03	3774646.66	17.55898	(12081122)	480743.03	3774646.66	17.26646	(12081705)
480793.03	3774646.66	16.63334	(16083004)	480843.03	3774646.66	16.49833	(16083004)
480893.03	3774646.66	16.03050	(13070921)	480943.03	3774646.66	15.86511	(14091601)
480993.03	3774646.66	15.30519	(14091601)	481043.03	3774646.66	15.22921	(14091601)
481093.03	3774646.66	15.06268	(13111017)	481143.03	3774646.66	14.58449	(15082519)
481193.03	3774646.66	14.69970	(15082519)	481243.03	3774646.66	14.40526	(15082519)

481293.03 3774646.66 14.34326 (15082519) 481343.03
3774646.66 14.06696 (15082519)
481393.03 3774646.66 13.81478 (15082519) 481443.03
3774646.66 13.57220 (15082519)
481493.03 3774646.66 13.29208 (12081424) 481543.03
3774646.66 13.04930 (12081424)
480543.03 3774696.66 18.77980 (13090822) 480593.03
3774696.66 18.61336 (13090822)
480643.03 3774696.66 17.90091 (13070124) 480693.03
3774696.66 17.73569 (15100820)
480743.03 3774696.66 17.22653 (12081122) 480793.03
3774696.66 16.62131 (12081122)
480843.03 3774696.66 16.42862 (12081705) 480893.03
3774696.66 16.27916 (12081705)
480943.03 3774696.66 15.73485 (16083004) 480993.03
3774696.66 15.51629 (16083004)
481043.03 3774696.66 15.24584 (14091601) 481093.03
3774696.66 15.10893 (14091601)
481143.03 3774696.66 14.97370 (14091601) 481193.03
3774696.66 14.51732 (14091601)
481243.03 3774696.66 14.30265 (14091601) 481293.03
3774696.66 13.83020 (16060301)
481343.03 3774696.66 13.83192 (16060301) 481393.03
3774696.66 13.86553 (15082519)
481443.03 3774696.66 13.56719 (15082519) 481493.03
3774696.66 13.49464 (15082519)
481543.03 3774696.66 13.28988 (15082519) 480543.03
3774746.66 19.02124 (14090823)
480593.03 3774746.66 18.38409 (14090823) 480643.03
3774746.66 17.88801 (14073102)
480693.03 3774746.66 17.54899 (13090822) 480743.03
3774746.66 16.86653 (13070124)
480793.03 3774746.66 16.79352 (15100820) 480843.03
3774746.66 16.17102 (15100820)
480893.03 3774746.66 16.10469 (12081122) 480943.03
3774746.66 15.84902 (12081705)
480993.03 3774746.66 15.63396 (12081705) 481043.03
3774746.66 15.49131 (12081705)
481093.03 3774746.66 14.88277 (16083004) 481143.03
3774746.66 14.73630 (12082922)
481193.03 3774746.66 14.57493 (14091601) 481243.03
3774746.66 14.38469 (14091601)
481293.03 3774746.66 14.25856 (14091601) 481343.03
3774746.66 13.97097 (14091601)
481393.03 3774746.66 13.61677 (14091601) 481443.03
3774746.66 13.38987 (16060301)
481493.03 3774746.66 13.26323 (16060301) 481543.03
3774746.66 13.08248 (16060301)
480543.03 3774796.66 18.65409 (13090224) 480593.03
3774796.66 18.28537 (12081522)

480643.03   3774796.66   17.94752 (14090823)   480693.03
3774796.66   17.69037 (13090323)
480743.03   3774796.66   17.18370 (14073102)   480793.03
3774796.66   16.48796 (13090822)
480843.03   3774796.66   16.22625 (12082306)   480893.03
3774796.66   15.82716 (13070323)
480943.03   3774796.66   15.82004 (13070323)   480993.03
3774796.66   15.60855 (16091721)
481043.03   3774796.66   15.30374 (12081705)   481093.03
3774796.66   15.34338 (12081705)
481143.03   3774796.66   14.83484 (12081705)   481193.03
3774796.66   14.62103 (12081705)
481243.03   3774796.66   14.06659 (16083004)   481293.03
3774796.66   14.04077 (12082922)
481343.03   3774796.66   13.95873 (12082922)   481393.03
3774796.66   13.68815 (14091601)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FORK   ***
INCLUDING SOURCE(S):   L0002885   , L0002886
, L0002887   , L0002888   , L0002889   ,
L0002890   , L0002891   , L0002892   , L0002893   , L0002894
, L0002895   , L0002896   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
- -
- -
481443.03   3774796.66   13.58017 (14091601)   481493.03
3774796.66   13.41421 (14091601)
481543.03   3774796.66   13.17469 (12081401)   480543.03
3774846.66   18.36283 (16072221)
480593.03   3774846.66   18.11217 (12091420)   480643.03
3774846.66   17.60686 (13090224)
480693.03   3774846.66   17.68418 (12081522)   480743.03
3774846.66   17.14635 (13090323)
480793.03   3774846.66   16.25002 (13090323)   480843.03

3774846.66 16.08254 (14073102)
480893.03 3774846.66 15.55920 (13070303) 480943.03
3774846.66 15.50112 (12082306)
480993.03 3774846.66 15.39633 (13110718) 481043.03
3774846.66 15.17769 (13070323)
481093.03 3774846.66 14.90284 (15072523) 481143.03
3774846.66 14.83726 (12081705)
481193.03 3774846.66 14.57495 (12081705) 481243.03
3774846.66 14.53587 (12081705)
481293.03 3774846.66 14.21242 (12081705) 481343.03
3774846.66 13.86844 (12081705)
481393.03 3774846.66 13.69384 (12082922) 481443.03
3774846.66 13.62045 (12082922)
481493.03 3774846.66 13.33334 (12082922) 481543.03
3774846.66 13.22803 (12081401)
480543.03 3774896.66 17.97456 (12071222) 480593.03
3774896.66 17.69933 (16072221)
480643.03 3774896.66 17.69081 (15100821) 480693.03
3774896.66 17.56209 (15100821)
480743.03 3774896.66 16.93762 (14070702) 480793.03
3774896.66 16.37267 (13090323)
480843.03 3774896.66 15.95383 (13090323) 480893.03
3774896.66 15.71945 (13090323)
480943.03 3774896.66 15.44883 (12090521) 480993.03
3774896.66 15.22853 (12090521)
481043.03 3774896.66 15.11529 (13110718) 481093.03
3774896.66 14.86605 (13110718)
481143.03 3774896.66 14.58929 (13070323) 481193.03
3774896.66 14.36199 (13070323)
481243.03 3774896.66 14.14655 (15072523) 481293.03
3774896.66 14.14786 (12081705)
481343.03 3774896.66 14.03878 (12081705) 481393.03
3774896.66 13.86405 (12081705)
481443.03 3774896.66 13.59776 (12081705) 481493.03
3774896.66 13.35456 (16103004)
481543.03 3774896.66 13.22395 (12082922) 480543.03
3774946.66 17.81944 (14081423)
480593.03 3774946.66 17.46409 (12071222) 480643.03
3774946.66 17.31968 (12081324)
480693.03 3774946.66 16.90464 (16103007) 480743.03
3774946.66 16.71238 (15100821)
480793.03 3774946.66 16.12481 (15100821) 480843.03
3774946.66 15.48407 (14070702)
480893.03 3774946.66 15.61750 (13090323) 480943.03
3774946.66 15.77449 (13090323)
480993.03 3774946.66 15.58828 (13090323) 481043.03
3774946.66 15.27456 (12090521)
481093.03 3774946.66 14.89138 (12090521) 481143.03
3774946.66 14.63329 (13110718)
481193.03 3774946.66 14.36882 (13110718) 481243.03

3774946.66 14.20719 (13110718)
481293.03 3774946.66 13.97107 (13070323) 481343.03
3774946.66 13.85934 (12083005)
481393.03 3774946.66 13.71884 (12083005) 481443.03
3774946.66 13.68538 (12081705)
481493.03 3774946.66 13.60483 (12081705) 481543.03
3774946.66 13.24086 (12081705)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0002507 ,
L0002508 , L0002509 , L0002510 , L0002511 , L0002512
, L0002513 , L0002514 , L0002515 ,
L0002516 , L0002517 , L0002518 , L0002519 , L0002520
, L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
- -
- -
478170.37 3774040.02 43.70071 (16101924) 478220.37
3774040.02 46.18267 (16101924)
478270.37 3774040.02 49.22891 (16101924) 478320.37
3774040.02 52.29132 (16101924)
478170.37 3774090.02 44.73684 (15012917) 478220.37
3774090.02 47.23126 (15012917)
478270.37 3774090.02 50.32048 (15012917) 478320.37
3774090.02 53.41360 (15012917)
478170.37 3774140.02 44.45647 (15012917) 478220.37
3774140.02 46.92968 (15012917)
478270.37 3774140.02 49.96488 (15012917) 478320.37
3774140.02 53.01076 (15012917)
478170.37 3774190.02 43.29059 (12012506) 478220.37
3774190.02 45.75919 (12012506)

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        478270.37   3774190.02       48.56709  (12012506)                478320.37
3774190.02       51.52984  (15012908)
        478170.37   3774240.02       43.00662  (16100705)                478220.37
3774240.02       45.45914  (16100705)
        478270.37   3774240.02       48.23350  (16100705)                478320.37
3774240.02       51.07298  (16100705)
        478370.37   3774240.02       54.31446  (16100705)                478420.37
3774240.02       58.01202  (16100705)
        478470.37   3774240.02       61.83315  (16100705)                478520.37
3774240.02       66.54347  (16100705)
        478570.37   3774240.02       71.33913  (13112720)                479170.37
3774240.02      410.19079  (16021808)
        479220.37   3774240.02      531.98580  (16092018)                479270.37
3774240.02      713.78837  (14030117)
        479320.37   3774240.02      979.85408  (15011116)                479370.37
3774240.02     1213.75039  (13112916)
        479420.37   3774240.02      699.79561  (13112916)                479470.37
3774240.02      486.21113  (14041207)
        479520.37   3774240.02      444.32008  (14041207)                479570.37
3774240.02      365.10433  (14041207)
        479620.37   3774240.02      324.62394  (12041107)                479670.37
3774240.02      288.80402  (12041107)
        479720.37   3774240.02      248.43623  (12041107)                479770.37
3774240.02      213.56650  (12041107)
        479820.37   3774240.02      182.84816  (12041107)                479870.37
3774240.02      157.72936  (12041107)
        479920.37   3774240.02      137.49132  (12041107)                479970.37
3774240.02      139.87568  (15070506)
        478170.37   3774290.02       41.84647  (16100705)                478220.37
3774290.02       43.96208  (16100705)
        478270.37   3774290.02       46.49025  (14022723)                478320.37
3774290.02       49.24823  (13112720)
        478370.37   3774290.02       52.81399  (13112720)                478420.37
3774290.02       56.84714  (13112720)
        478470.37   3774290.02       61.01517  (13112720)                478520.37
3774290.02       66.04835  (13112720)
        478570.37   3774290.02       71.08477  (13112720)                479170.37
3774290.02      335.70281  (16092018)
        479220.37   3774290.02      393.67065  (16121606)                479270.37
3774290.02      481.92149  (13090718)
        479320.37   3774290.02      538.99540  (15011116)                479370.37
3774290.02      565.88807  (13112916)
        479420.37   3774290.02      613.93926  (13112916)                479470.37
3774290.02      349.85768  (13112916)
        479520.37   3774290.02      284.86309  (16041118)                479570.37
3774290.02      248.71074  (14041207)
        479620.37   3774290.02      233.23612  (14041207)                479670.37
3774290.02      201.00176  (14041207)
        479720.37   3774290.02      180.95449  (12041107)                479770.37
3774290.02      169.96658  (12041107)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479320.37	3774340.02	352.76123	(14022508)	479370.37	3774340.02	336.04444	(16111019)
479420.37	3774340.02	419.92695	(13112916)	479470.37	3774340.02	350.93193	(13112916)
479520.37	3774340.02	235.75578	(15101019)	479570.37	3774340.02	154.01308	(12041107)
479820.37	3774290.02	154.01308	(12041107)	479870.37	3774290.02	136.83121	(12041107)
479920.37	3774290.02	120.34460	(12041107)	479970.37	3774290.02	134.14550	(14061006)
478170.37	3774340.02	41.44084	(13112720)	478220.37	3774340.02	43.90800	(13112720)
478270.37	3774340.02	46.64115	(13112720)	478320.37	3774340.02	49.37608	(13112720)
478370.37	3774340.02	52.40574	(13112720)	478420.37	3774340.02	55.74260	(13112720)
478470.37	3774340.02	59.24307	(13112720)	478520.37	3774340.02	63.47777	(14011323)
478570.37	3774340.02	68.91770	(16111017)	479170.37	3774340.02	267.47557	(13021808)
479220.37	3774340.02	301.40844	(16021806)	479270.37	3774340.02	361.77141	(13090718)

3774340.02 207.85668 (16041118)
479620.37 3774340.02 183.05447 (16041118) 479670.37
3774340.02 155.37351 (12092019)
479720.37 3774340.02 144.82678 (14041207) 479770.37
3774340.02 128.75127 (14041207)
479820.37 3774340.02 114.33158 (12041107) 479870.37
3774340.02 116.98908 (16090621)
479920.37 3774340.02 126.40972 (12112417) 479970.37
3774340.02 126.93794 (16111417)
478170.37 3774390.02 41.04066 (13112720) 478220.37
3774390.02 43.09225 (13112720)
478270.37 3774390.02 45.31241 (13112720) 478320.37
3774390.02 47.65248 (14011323)
478370.37 3774390.02 50.75869 (14011323) 478420.37
3774390.02 54.46851 (16111017)
478470.37 3774390.02 58.64016 (16111017) 478520.37
3774390.02 62.85271 (16111017)
478570.37 3774390.02 67.00627 (16111017) 479170.37
3774390.02 218.45713 (16121606)
479220.37 3774390.02 239.96487 (15122518) 479270.37
3774390.02 280.65216 (13090718)
479320.37 3774390.02 266.28968 (14022508) 479370.37
3774390.02 261.34984 (16111019)
479420.37 3774390.02 260.27239 (13112916) 479470.37
3774390.02 294.87958 (13112916)
479520.37 3774390.02 221.53025 (13112916) 479570.37
3774390.02 177.87363 (15101019)
479620.37 3774390.02 159.83960 (16041118) 479670.37
3774390.02 146.53132 (16041118)
479720.37 3774390.02 128.65311 (16041118) 479770.37
3774390.02 114.12730 (13031818)
479820.37 3774390.02 116.79721 (13090921) 479870.37
3774390.02 126.83323 (13090921)
479920.37 3774390.02 124.70647 (13081722) 479970.37
3774390.02 120.29560 (13081722)
478170.37 3774440.02 39.76615 (14011323) 478220.37
3774440.02 41.89786 (16111017)
478270.37 3774440.02 44.66391 (16111017) 478320.37
3774440.02 47.38279 (16111017)
478370.37 3774440.02 50.48751 (16111017) 478420.37
3774440.02 53.32360 (16111017)
478470.37 3774440.02 56.37125 (16111017) 478520.37
3774440.02 59.18682 (16111017)
478570.37 3774440.02 63.06466 (13052302) 478620.37
3774440.02 67.23959 (13052302)
478670.37 3774440.02 72.42984 (16100301) 478720.37
3774440.02 79.23455 (15091504)
478770.37 3774440.02 86.64915 (15091504) 478820.37
3774440.02 93.70915 (15091504)
479320.37 3774440.02 210.95344 (14022508) 479370.37

3774440.02   209.26575 (16111019)
        479420.37   3774440.02   185.26736 (16122407)   479470.37
3774440.02   218.19605 (13112916)
        479520.37   3774440.02   205.40275 (13112916)   479570.37
3774440.02   157.60105 (15101019)
        479620.37   3774440.02   140.64640 (15101019)   479670.37
3774440.02   128.02779 (16041118)
        479720.37   3774440.02   120.71177 (16041118)   479770.37
3774440.02   109.39374 (16041118)
        479820.37   3774440.02   118.69932 (13031818)   479870.37
3774440.02   119.36385 (16072821)
        479920.37   3774440.02   122.38804 (14083022)   479970.37
3774440.02   113.77483 (13062306)
        478170.37   3774490.02   39.61617 (16111017)   478220.37
3774490.02   41.88490 (16111017)
        478270.37   3774490.02   43.93453 (16111017)   478320.37
3774490.02   45.95016 (16111017)
        478370.37   3774490.02   48.18466 (16111017)   478420.37
3774490.02   50.39040 (13052302)
        478470.37   3774490.02   53.49543 (13052302)   478520.37
3774490.02   56.31820 (13052302)
        478570.37   3774490.02   60.02953 (16100301)   478620.37
3774490.02   65.01238 (15091504)
        478670.37   3774490.02   70.60672 (15091504)   478720.37
3774490.02   75.53379 (15091504)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                  L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                  L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478749.26	3774487.73	78.21163	(15091504)	478820.37	3774490.02	89.72162	(16021808)
479370.37	3774490.02	171.66639	(16111019)	479420.37	3774490.02	159.53767	(16111019)
479470.37	3774490.02	152.87195	(16122407)	479520.37	3774490.02	171.17095	(13112916)
479570.37	3774490.02	147.34837	(13112916)	479620.37	3774490.02	128.18210	(15101019)
479670.37	3774490.02	114.96456	(15101019)	479720.37	3774490.02	105.74655	(16041118)
479770.37	3774490.02	105.88111	(16041118)	479820.37	3774490.02	121.01247	(12092019)
479870.37	3774490.02	120.73363	(15072106)	479920.37	3774490.02	116.20808	(16072821)
479970.37	3774490.02	108.66570	(15082722)	478170.37	3774540.02	38.72205	(16111017)
478220.37	3774540.02	40.34774	(16111017)	478270.37	3774540.02	41.73468	(16111017)
478320.37	3774540.02	43.73759	(13052302)	478370.37	3774540.02	46.13571	(13052302)
478420.37	3774540.02	48.11254	(13052302)	478470.37	3774540.02	51.14287	(16100301)
478520.37	3774540.02	54.37160	(15091504)	478570.37	3774540.02	58.69540	(15091504)
478620.37	3774540.02	63.01810	(15091504)	478670.37	3774540.02	66.23175	(15091504)
478720.37	3774540.02	71.00823	(16021808)	478764.86	3774550.58	76.51087	(16021808)
478807.52	3774552.41	80.51237	(16021808)	479370.37	3774540.02	143.67725	(16111019)
479420.37	3774540.02	139.27681	(16111019)	479470.37	3774540.02	129.17650	(16122407)
479520.37	3774540.02	133.31113	(13112916)	479570.37	3774540.02	133.22026	(13112916)
479620.37	3774540.02	111.66546	(13100917)	479670.37	3774540.02	106.86357	(15101019)
479720.37	3774540.02	96.71021	(15101019)	479770.37	3774540.02	110.99541	(12071219)
479820.37	3774540.02	118.17906	(12071219)	479870.37	3774540.02	113.06540	(12083019)
479920.37	3774540.02	110.42390	(15072106)	479970.37	3774540.02	102.52990	(16061920)
478170.37	3774590.02	36.91264	(13052302)	478220.37	3774590.02	38.69634	(13052302)
478270.37	3774590.02	40.32576	(13052302)	478320.37	3774590.02	41.96890	(13052302)

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        478370.37   3774590.02       44.28753  (16100301)                478420.37
3774590.02       46.52226  (16100301)
        478470.37   3774590.02       50.15020  (15091504)                478520.37
3774590.02       53.34639  (15091504)
        478570.37   3774590.02       56.41385  (15091504)                478620.37
3774590.02       59.20434  (13050502)
        478670.37   3774590.02       63.70872  (16021808)                478720.37
3774590.02       68.78906  (16021808)
        478776.33   3774602.87       71.11373  (14091624)                478804.31
3774604.25       74.51669  (14091624)
        479370.37   3774590.02      123.21394  (14022508)                479420.37
3774590.02      122.06381  (16111019)
        479470.37   3774590.02      108.90194  (16122407)                479520.37
3774590.02      110.25104  (16122407)
        479570.37   3774590.02      112.41680  (13112916)                479620.37
3774590.02      102.99651  (13112916)
        479670.37   3774590.02       95.38491  (15101019)                479720.37
3774590.02       96.72324  (15101019)
        479770.37   3774590.02      111.38459  (14051521)                479820.37
3774590.02      109.12435  (12071219)
        479870.37   3774590.02      112.05551  (12071219)                479920.37
3774590.02      103.59757  (12071219)
        479970.37   3774590.02      101.55544  (15072106)                478170.37
3774640.02       35.86423  (13052302)
        478220.37   3774640.02       37.02950  (13052302)                478270.37
3774640.02       38.85604  (16100301)
        478320.37   3774640.02       40.78328  (16100301)                478370.37
3774640.02       43.31726  (15091504)
        478420.37   3774640.02       45.95438  (15091504)                478470.37
3774640.02       48.54908  (15091504)
        478520.37   3774640.02       50.40510  (15091504)                478570.37
3774640.02       53.23718  (13050502)
        478620.37   3774640.02       57.52750  (16021808)                478670.37
3774640.02       61.41244  (16021808)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                    PAGE 254
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                  L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
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L0002516 , L0002517 , L0002518 , L0002519 , L0002520
, L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478720.37	3774640.02	64.18692	(16021808)	478770.37	3774640.02	68.28525	(14091624)
478820.37	3774640.02	71.97447	(14091624)	478870.37	3774640.02	77.39843	(16092018)
479370.37	3774640.02	108.36187	(14022508)	479420.37	3774640.02	107.77781	(16111019)
479470.37	3774640.02	97.94064	(16111019)	479520.37	3774640.02	96.95203	(16122407)
479570.37	3774640.02	92.78500	(16122407)	479620.37	3774640.02	92.68723	(13112916)
479670.37	3774640.02	85.82837	(16112620)	479720.37	3774640.02	94.31164	(15101019)
479770.37	3774640.02	105.12067	(15101019)	479820.37	3774640.02	97.31743	(14051521)
479870.37	3774640.02	106.23576	(12071219)	479920.37	3774640.02	101.82120	(12071219)
479970.37	3774640.02	96.16993	(12071219)	478170.37	3774690.02	34.67057	(16100301)
478220.37	3774690.02	36.14293	(16100301)	478270.37	3774690.02	37.94087	(15091504)
478320.37	3774690.02	40.32692	(15091504)	478370.37	3774690.02	42.36285	(15091504)
478420.37	3774690.02	44.03240	(15091504)	478470.37	3774690.02	46.02036	(13050502)
478520.37	3774690.02	48.36028	(16021808)	478570.37	3774690.02	52.25657	(16021808)
478620.37	3774690.02	55.12976	(16021808)	478670.37	3774690.02	57.22469	(16021808)
478720.37	3774690.02	60.78715	(14091624)	478770.37	3774690.02	63.68724	(14091624)
478820.37	3774690.02	67.93223	(16092018)	478868.71	3774700.63	70.05681	(16092018)
478861.34	3774671.12	73.27652	(16092018)	479026.61	3774722.40	77.41249	(16021806)
479059.05	3774696.65	83.11791	(16021806)	479113.74	3774695.09	86.84775	(15122518)
479370.37	3774690.02	96.23025	(14022508)	479420.37			

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3774690.02       95.76359  (16111019)
        479470.37   3774690.02       89.68653  (16111019)                479520.37
3774690.02       84.89034  (16122407)
        479570.37   3774690.02       84.59015  (16122407)                479620.37
3774690.02       79.95420  (12121601)
        479670.37   3774690.02       77.02710  (16112620)                479720.37
3774690.02       91.25853  (15031520)
        479770.37   3774690.02       97.61736  (15101019)                479820.37
3774690.02      100.88316  (14051521)
        479870.37   3774690.02       96.72484  (13063021)                479920.37
3774690.02       94.75653  (12071219)
        479970.37   3774690.02       94.46916  (12071219)                478170.37
3774740.02       33.78679  (15091504)
        478220.37   3774740.02       35.67267  (15091504)                478270.37
3774740.02       37.40040  (15091504)
        478320.37   3774740.02       39.08974  (15091504)                478370.37
3774740.02       40.26102  (15091504)
        478420.37   3774740.02       41.99985  (13050502)                478470.37
3774740.02       44.61586  (16021808)
        478520.37   3774740.02       47.47401  (16021808)                478570.37
3774740.02       49.93531  (16021808)
        478620.37   3774740.02       51.20195  (16021808)                478670.37
3774740.02       54.63081  (14091624)
        478720.37   3774740.02       57.04526  (14091624)                478770.37
3774740.02       60.16830  (16092018)
        478820.37   3774740.02       63.66319  (16092018)                478862.96
3774730.27       66.12890  (16092018)
        479020.37   3774740.02       74.57065  (16021806)                479070.37
3774740.02       74.94980  (16021806)
        479120.37   3774740.02       80.13173  (15122518)                479370.37
3774740.02       86.25533  (14022508)
        479420.37   3774740.02       85.60882  (16111019)                479470.37
3774740.02       82.12616  (16111019)
        479520.37   3774740.02       74.24303  (16122407)                479570.37
3774740.02       76.43537  (16122407)
        479620.37   3774740.02       73.09231  (16122407)                479670.37
3774740.02       70.64559  (12121601)
        479720.37   3774740.02       94.50722  (15031520)                479770.37
3774740.02       92.84000  (15031120)
        479820.37   3774740.02       95.24338  (15101019)                479870.37
3774740.02       91.39026  (13063021)
        479920.37   3774740.02       87.00274  (13063021)                479970.37
3774740.02       87.94883  (12071219)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE 255
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478170.37	3774790.02	33.50795	(15091504)	478220.37	3774790.02	34.84290	(15091504)
478270.37	3774790.02	35.94046	(15091504)	478320.37	3774790.02	37.29389	(13050502)
478370.37	3774790.02	38.61365	(13050502)	478420.37	3774790.02	41.30590	(16021808)
478470.37	3774790.02	43.59760	(16021808)	478520.37	3774790.02	45.35285	(16021808)
478570.37	3774790.02	46.42370	(16021808)	478620.37	3774790.02	49.28070	(14091624)
478670.37	3774790.02	51.53862	(14091624)	478720.37	3774790.02	53.69679	(16092018)
478770.37	3774790.02	57.08089	(16092018)	478820.37	3774790.02	58.44198	(14040103)
478870.37	3774790.02	60.60299	(13021808)	478920.37	3774790.02	63.68552	(13021808)
478970.37	3774790.02	65.71669	(16121606)	479020.37	3774790.02	68.09486	(16021806)
479070.37	3774790.02	69.75918	(15122518)	479120.37	3774790.02	72.56388	(15122518)
479370.37	3774790.02	77.94448	(14022508)	479420.37	3774790.02	76.97168	(16111019)
479470.37	3774790.02	75.20365	(16111019)	479520.37	3774790.02	68.05459	(16111019)
479570.37	3774790.02	68.63487	(16122407)	479620.37	3774790.02	67.81155	(16122407)
479670.37	3774790.02	64.51337	(12121601)	479720.37	3774790.02	87.02030	(15062006)

479770.37 3774790.02 88.65977 (15031520) 479820.37 3774790.02 87.99811 (16090403)
479870.37 3774790.02 85.56425 (15101019) 479920.37 3774790.02 85.89482 (13063021)
479970.37 3774790.02 82.09595 (13063021) 477970.37 3774840.02 27.42927 (16100301)
478020.37 3774840.02 28.79783 (15091504) 478070.37 3774840.02 30.17222 (15091504)
478120.37 3774840.02 31.46287 (15091504) 478170.37 3774840.02 32.48304 (15091504)
478220.37 3774840.02 33.27022 (15091504) 478270.37 3774840.02 34.66002 (13050502)
478320.37 3774840.02 35.95975 (16021808) 478370.37 3774840.02 38.18134 (16021808)
478420.37 3774840.02 40.21919 (16021808) 478470.37 3774840.02 41.53044 (16021808)
478520.37 3774840.02 42.27394 (14091624) 478570.37 3774840.02 44.98184 (14091624)
478620.37 3774840.02 46.84932 (14091624) 478670.37 3774840.02 48.45628 (16092018)
478720.37 3774840.02 51.36740 (16092018) 478770.37 3774840.02 53.00770 (16092018)
478820.37 3774840.02 54.24654 (14040103) 478870.37 3774840.02 57.15218 (13021808)
478920.37 3774840.02 58.93875 (16121606) 478970.37 3774840.02 61.04780 (16021806)
479020.37 3774840.02 61.66469 (16021806) 479070.37 3774840.02 64.72906 (15122518)
479120.37 3774840.02 65.80094 (15122518) 479170.37 3774840.02 73.14804 (13090718)
479220.37 3774840.02 75.62472 (13090718) 479270.37 3774840.02 72.11206 (13090718)
479320.37 3774840.02 70.01341 (14121123) 479370.37 3774840.02 70.90829 (14022508)
479420.37 3774840.02 69.54425 (16111019) 479470.37 3774840.02 69.09654 (16111019)
479520.37 3774840.02 63.90785 (16111019) 479570.37 3774840.02 61.48090 (16122407)
479620.37 3774840.02 62.41742 (16122407) 479670.37 3774840.02 74.80921 (16111018)
479720.37 3774840.02 79.69650 (12121601) 479770.37 3774840.02 84.34002 (15062006)
479820.37 3774840.02 82.59065 (15031120) 479870.37 3774840.02 79.84663 (16090403)
479920.37 3774840.02 81.01549 (14101507) 479970.37 3774840.02 78.69402 (13063021)
477970.37 3774890.02 27.40172 (15091504) 478020.37 3774890.02 28.47671 (15091504)
478070.37 3774890.02 29.46021 (15091504) 478120.37 3774890.02 30.31132 (15091504)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 ,
L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 ,
L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478270.37	3774890.02	33.74521	(16021808)	478320.37	3774890.02	35.59224	(16021808)
478370.37	3774890.02	37.07857	(16021808)	478420.37	3774890.02	38.27899	(16021808)
478470.37	3774890.02	38.92609	(14091624)	478520.37	3774890.02	41.19483	(14091624)
478570.37	3774890.02	42.80452	(14091624)	478620.37	3774890.02	43.96496	(16092018)
478670.37	3774890.02	46.71041	(16092018)	478720.37	3774890.02	48.20971	(16092018)
478770.37	3774890.02	49.34624	(14040103)	478820.37	3774890.02	51.26631	(13021808)
478870.37	3774890.02	53.15065	(13021808)	478920.37	3774890.02	54.68940	(16121606)
478970.37	3774890.02	56.42329	(16021806)	479020.37	3774890.02	56.62728	(15122518)
479070.37	3774890.02	59.91167	(15122518)	479120.37	3774890.02	61.69034	(13090718)
479170.37	3774890.02	67.64583	(13090718)	479220.37			

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3774890.02       69.02390  (13090718)
        479270.37   3774890.02       65.45195  (13090718)                479320.37
3774890.02       63.98497  (14121123)
        479370.37   3774890.02       64.88862  (14022508)                479420.37
3774890.02       63.17510  (16111019)
        479470.37   3774890.02       63.62281  (16111019)                479520.37
3774890.02       59.93302  (16111019)
        479570.37   3774890.02       54.99628  (16122407)                479620.37
3774890.02       57.13387  (16122407)
        479670.37   3774890.02       70.24849  (16122407)                479720.37
3774890.02       73.80638  (16111018)
        479770.37   3774890.02       78.78209  (15062006)                479820.37
3774890.02       79.55685  (15062006)
        479870.37   3774890.02       74.86497  (15031120)                479920.37
3774890.02       76.43463  (16090403)
        479970.37   3774890.02       73.94096  (14101507)                477970.37
3774940.02       26.91329  (15091504)
        478020.37   3774940.02       27.63861  (15091504)                478070.37
3774940.02       28.23772  (15091504)
        478120.37   3774940.02       29.23747  (13050502)                478170.37
3774940.02       30.00082  (13050502)
        478220.37   3774940.02       31.58898  (16021808)                478270.37
3774940.02       33.27689  (16021808)
        478320.37   3774940.02       34.48819  (16021808)                478370.37
3774940.02       35.27686  (16021808)
        478420.37   3774940.02       36.07269  (14091624)                478470.37
3774940.02       37.98374  (14091624)
        478520.37   3774940.02       39.34024  (14091624)                478570.37
3774940.02       40.07023  (16092018)
        478620.37   3774940.02       42.65996  (16092018)                478670.37
3774940.02       44.23572  (16092018)
        478720.37   3774940.02       44.93970  (14040103)                478770.37
3774940.02       46.09858  (13021808)
        478820.37   3774940.02       48.37392  (13021808)                478870.37
3774940.02       49.78328  (16121606)
        478920.37   3774940.02       51.30941  (16021806)                478970.37
3774940.02       51.85528  (16021806)
        479020.37   3774940.02       53.45296  (15122518)                479070.37
3774940.02       55.38365  (15122518)
        479120.37   3774940.02       58.16426  (13090718)                479170.37
3774940.02       62.71539  (13090718)
        479220.37   3774940.02       63.29796  (13090718)                479270.37
3774940.02       59.75853  (13090718)
        479320.37   3774940.02       58.81245  (14121123)                479370.37
3774940.02       59.69061  (14022508)
        479420.37   3774940.02       57.64932  (16111019)                479470.37
3774940.02       58.71958  (16111019)
        479520.37   3774940.02       56.21896  (16111019)                479570.37
3774940.02       50.91640  (16111019)
        479620.37   3774940.02       52.09863  (16122407)                479670.37
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3774940.02   65.69050 (16122407)
        479720.37   3774940.02   70.11616 (16111018)   479770.37
3774940.02   75.34139 (15062006)
        479820.37   3774940.02   75.86525 (15062006)   479870.37
3774940.02   71.13090 (15031520)
        479920.37   3774940.02   72.16473 (15031120)   479970.37
3774940.02   69.99120 (16090403)
        477970.37   3774990.02   25.98872 (15091504)   478020.37
3774990.02   26.59889 (13050502)
        478070.37   3774990.02   27.41379 (13050502)   478120.37
3774990.02   28.26457 (16021808)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                   L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                   L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        478170.37   3774990.02   29.77645 (16021808)   478220.37
3774990.02   31.05934 (16021808)
        478270.37   3774990.02   32.18917 (16021808)   478320.37
3774990.02   32.80409 (16021808)
        478370.37   3774990.02   33.43641 (14091624)   478420.37
3774990.02   35.24178 (14091624)
        478470.37   3774990.02   36.38611 (14091624)   478520.37
3774990.02   36.93284 (14091624)
        478570.37   3774990.02   39.10137 (16092018)   478620.37
3774990.02   40.71360 (16092018)

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        478670.37   3774990.02       41.28810  (16092018)                478720.37
3774990.02       42.15175  (14040103)
        478770.37   3774990.02       44.09928  (13021808)                478820.37
3774990.02       45.17189  (13021808)
        478870.37   3774990.02       46.49365  (16121606)                478920.37
3774990.02       47.95118  (16021806)
        478970.37   3774990.02       47.47538  (16021806)                479020.37
3774990.02       50.28817  (15122518)
        479070.37   3774990.02       51.17963  (15122518)                479120.37
3774990.02       54.84383  (13090718)
        479170.37   3774990.02       58.29299  (13090718)                479220.37
3774990.02       58.29848  (13090718)
        479270.37   3774990.02       55.16754  (14121123)                479320.37
3774990.02       54.33247  (14121123)
        479370.37   3774990.02       55.16484  (14022508)                479420.37
3774990.02       53.29082  (14022508)
        479470.37   3774990.02       54.32420  (16111019)                479520.37
3774990.02       52.74032  (16111019)
        479570.37   3774990.02       48.59758  (16111019)                479620.37
3774990.02       47.38859  (16122407)
        479670.37   3774990.02       60.93880  (16122407)                479720.37
3774990.02       65.77358  (16111018)
        479770.37   3774990.02       69.78279  (16111018)                479820.37
3774990.02       70.82537  (15062006)
        479870.37   3774990.02       68.96368  (15062006)                479920.37
3774990.02       68.37890  (15031120)
        479970.37   3774990.02       65.80742  (15031120)                477970.37
3775040.02       25.16760  (13050502)
        478020.37   3775040.02       25.77893  (13050502)                478070.37
3775040.02       26.75450  (16021808)
        478120.37   3775040.02       28.12359  (16021808)                478170.37
3775040.02       29.20301  (16021808)
        478220.37   3775040.02       30.00716  (16021808)                478270.37
3775040.02       30.61598  (16021808)
        478320.37   3775040.02       31.24419  (14091624)                478370.37
3775040.02       32.70689  (14091624)
        478420.37   3775040.02       33.85107  (14091624)                478470.37
3775040.02       34.31124  (14091624)
        478520.37   3775040.02       36.00867  (16092018)                478570.37
3775040.02       37.56865  (16092018)
        478620.37   3775040.02       38.32441  (16092018)                478670.37
3775040.02       39.05638  (14040103)
        478720.37   3775040.02       40.20159  (13021808)                478770.37
3775040.02       41.72349  (13021808)
        478820.37   3775040.02       42.74647  (16121606)                478870.37
3775040.02       44.00510  (16021806)
        478920.37   3775040.02       44.58011  (16021806)                478970.37
3775040.02       44.85802  (15122518)
        479020.37   3775040.02       47.20517  (15122518)                479070.37
3775040.02       47.30801  (15122518)
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        479120.37   3775040.02       51.73837  (13090718)               479170.37
3775040.02       54.31932  (13090718)
        479220.37   3775040.02       53.90668  (13090718)               479270.37
3775040.02       51.22875  (14121123)
        479320.37   3775040.02       50.41996  (14121123)               479370.37
3775040.02       51.19505  (14022508)
        479420.37   3775040.02       49.77823  (14022508)               479470.37
3775040.02       50.37804  (16111019)
        479520.37   3775040.02       49.54652  (16111019)               479570.37
3775040.02       46.31328  (16111019)
        479620.37   3775040.02       43.03935  (16122407)               479670.37
3775040.02       55.59075  (16122407)
        479720.37   3775040.02       61.07724  (16111018)               479770.37
3775040.02       65.21879  (16111018)
        479820.37   3775040.02       64.96603  (15062006)               479870.37
3775040.02       65.53739  (15062006)
        479920.37   3775040.02       66.07701  (15062006)               479970.37
3775040.02       63.15185  (15031120)
        477970.37   3775090.02       24.31510  (13050502)               478020.37
3775090.02       25.39657  (16021808)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 258
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                   L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                   L0002516    , L0002517    , L0002518    , L0002519    , L0002520
, L0002521    , L0002522    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        478070.37   3775090.02       26.54119  (16021808)               478120.37
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3775090.02 27.52396 (16021808)
478170.37 3775090.02 28.18410 (16021808) 478220.37
3775090.02 28.54689 (16021808)
478270.37 3775090.02 29.29554 (14091624) 478320.37
3775090.02 30.59397 (14091624)
478370.37 3775090.02 31.49635 (14091624) 478420.37
3775090.02 32.04498 (14091624)
478470.37 3775090.02 33.34026 (16092018) 478520.37
3775090.02 34.79895 (16092018)
478570.37 3775090.02 35.62722 (16092018) 478620.37
3775090.02 36.22223 (14040103)
478670.37 3775090.02 36.77740 (13021808) 478720.37
3775090.02 38.46705 (13021808)
478770.37 3775090.02 39.16343 (16121606) 478820.37
3775090.02 40.22925 (16121606)
478870.37 3775090.02 41.48170 (16021806) 478920.37
3775090.02 41.29022 (16021806)
478970.37 3775090.02 42.73846 (15122518) 479020.37
3775090.02 44.24941 (15122518)
479070.37 3775090.02 44.69349 (13090718) 479120.37
3775090.02 48.84656 (13090718)
479170.37 3775090.02 50.74095 (13090718) 479220.37
3775090.02 50.02683 (13090718)
479270.37 3775090.02 47.75576 (14121123) 479320.37
3775090.02 46.97765 (14121123)
479370.37 3775090.02 47.68959 (14022508) 479420.37
3775090.02 46.64129 (14022508)
479470.37 3775090.02 46.82805 (16111019) 479520.37
3775090.02 46.53632 (16111019)
479570.37 3775090.02 44.11694 (16111019) 479620.37
3775090.02 40.38896 (12022721)
479670.37 3775090.02 41.37433 (16122407) 479720.37
3775090.02 57.23105 (16122407)
479770.37 3775090.02 64.76649 (16111018) 479820.37
3775090.02 61.99191 (16111018)
479870.37 3775090.02 62.28306 (15062006) 479920.37
3775090.02 63.76918 (15062006)
479970.37 3775090.02 59.98769 (15062006) 477970.37
3775140.02 24.17765 (16021808)
478020.37 3775140.02 25.12882 (16021808) 478070.37
3775140.02 25.93140 (16021808)
478120.37 3775140.02 26.54228 (16021808) 478170.37
3775140.02 26.81849 (16021808)
478220.37 3775140.02 27.45225 (14091624) 478270.37
3775140.02 28.71347 (14091624)
478320.37 3775140.02 29.52591 (14091624) 478370.37
3775140.02 29.92265 (14091624)
478420.37 3775140.02 31.02781 (16092018) 478470.37
3775140.02 32.38278 (16092018)
478520.37 3775140.02 33.21509 (16092018) 478570.37

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3775140.02       33.62532  (14040103)
        478620.37   3775140.02       34.23705  (14040103)               478670.37
3775140.02       35.53621  (13021808)
        478720.37   3775140.02       36.46781  (13021808)               478770.37
3775140.02       37.27534  (16121606)
        478820.37   3775140.02       38.25630  (16021806)               478870.37
3775140.02       38.87481  (16021806)
        478920.37   3775140.02       38.46693  (14040102)               478970.37
3775140.02       40.60699  (15122518)
        479020.37   3775140.02       41.44737  (15122518)               479070.37
3775140.02       42.76953  (13090718)
        479120.37   3775140.02       46.16082  (13090718)               479170.37
3775140.02       47.51059  (13090718)
        479220.37   3775140.02       46.58124  (13090718)               479270.37
3775140.02       44.67416  (14121123)
        479320.37   3775140.02       43.92886  (14121123)               479370.37
3775140.02       44.57537  (14022508)
        479420.37   3775140.02       43.81176  (14022508)               479470.37
3775140.02       43.64664  (16111019)
        479520.37   3775140.02       43.75059  (16111019)               479570.37
3775140.02       41.97315  (16111019)
        479620.37   3775140.02       38.64562  (16111019)               479670.37
3775140.02       38.04544  (16122407)
        479720.37   3775140.02       53.37776  (16122407)               479770.37
3775140.02       60.64881  (16111018)
        479820.37   3775140.02       59.67479  (16111018)               479870.37
3775140.02       57.89617  (16112621)
        479920.37   3775140.02       60.43962  (15062006)               479970.37
3775140.02       59.73454  (15062006)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 259
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                   L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                   L0002516    , L0002517    , L0002518    , L0002519    , L0002520
, L0002521    , L0002522    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
477970.37	3775190.02	23.86889	(16021808)	478020.37	3775190.02	24.51630	(16021808)
478070.37	3775190.02	24.99283	(16021808)	478120.37	3775190.02	25.26413	(16021808)
478170.37	3775190.02	25.89820	(14091624)	478220.37	3775190.02	26.93361	(14091624)
478270.37	3775190.02	27.76587	(14091624)	478320.37	3775190.02	28.13768	(14091624)
478370.37	3775190.02	28.85847	(16092018)	478420.37	3775190.02	30.26897	(16092018)
478470.37	3775190.02	31.08423	(16092018)	478520.37	3775190.02	31.37264	(16092018)
478570.37	3775190.02	32.02855	(14040103)	478620.37	3775190.02	32.81430	(13021808)
478670.37	3775190.02	34.01807	(13021808)	478720.37	3775190.02	34.55839	(16121606)
478770.37	3775190.02	35.26670	(16121606)	478820.37	3775190.02	36.31659	(16021806)
478870.37	3775190.02	36.29139	(16021806)	478920.37	3775190.02	36.87023	(15122518)
478970.37	3775190.02	38.50476	(15122518)	479020.37	3775190.02	38.81232	(15122518)
479070.37	3775190.02	40.91174	(13090718)	479120.37	3775190.02	43.67015	(13090718)
479170.37	3775190.02	44.58677	(13090718)	479220.37	3775190.02	43.50634	(13090718)
479270.37	3775190.02	41.92423	(14121123)	479320.37	3775190.02	41.21241	(14121123)
479370.37	3775190.02	41.79347	(14022508)	479420.37	3775190.02	41.25465	(14022508)
479470.37	3775190.02	40.76747	(16111019)	479520.37	3775190.02	41.17562	(16111019)
479570.37	3775190.02	39.92307	(16111019)	479620.37	3775190.02	37.20681	(16111019)
479670.37	3775190.02	35.05306	(12022721)	479720.37	3775190.02	49.51960	(16122407)
479770.37	3775190.02	56.31210	(16111018)	479820.37	3775190.02	56.81883	(16111018)
479870.37	3775190.02	57.57551	(16111018)	479920.37	3775190.02	56.40119	(15062006)
479970.37	3775190.02	58.30182	(15062006)	477970.37	3775240.02	23.25863	(16021808)

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        478020.37   3775240.02       23.61904  (16021808)                478070.37
3775240.02       23.79968  (16021808)
        478120.37   3775240.02       24.49481  (14091624)                478170.37
3775240.02       25.43003  (14091624)
        478220.37   3775240.02       26.09406  (14091624)                478270.37
3775240.02       26.53441  (14091624)
        478320.37   3775240.02       27.03163  (16092018)                478370.37
3775240.02       28.26525  (16092018)
        478420.37   3775240.02       29.19971  (16092018)                478470.37
3775240.02       29.53879  (16092018)
        478520.37   3775240.02       30.00526  (14040103)                478570.37
3775240.02       30.29667  (13021808)
        478620.37   3775240.02       31.63765  (13021808)                478670.37
3775240.02       32.31276  (13021808)
        478720.37   3775240.02       33.02306  (16121606)                478770.37
3775240.02       33.69641  (16021806)
        478820.37   3775240.02       34.32407  (16021806)                478870.37
3775240.02       33.86953  (14040102)
        478920.37   3775240.02       35.36760  (15122518)                478970.37
3775240.02       36.46029  (15122518)
        479020.37   3775240.02       36.34858  (15122518)                479070.37
3775240.02       39.13021  (13090718)
        479120.37   3775240.02       41.36188  (13090718)                479170.37
3775240.02       41.93339  (13090718)
        479220.37   3775240.02       40.74981  (13090718)                479270.37
3775240.02       39.45749  (14121123)
        479320.37   3775240.02       38.77889  (14121123)                479370.37
3775240.02       39.29594  (14022508)
        479420.37   3775240.02       38.93690  (14022508)                479470.37
3775240.02       38.11874  (16111019)
        479520.37   3775240.02       38.79649  (16111019)                479570.37
3775240.02       37.95554  (16111019)
        479620.37   3775240.02       35.77688  (16111019)                479670.37
3775240.02       42.75678  (12022721)
        479720.37   3775240.02       46.35553  (13100921)                479770.37
3775240.02       52.97754  (13100921)
        479820.37   3775240.02       53.60293  (16111018)                479870.37
3775240.02       55.66830  (16111018)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 260
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
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                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                L0002516    , L0002517    , L0002518    , L0002519    , L0002520
, L0002521    , L0002522    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        479920.37   3775240.02       52.74887  (16112621)               479970.37
3775240.02       55.14315  (15062006)
        477970.37   3775290.02       22.31334  (16021808)               478020.37
3775290.02       22.50174  (16021808)
        478070.37   3775290.02       23.17101  (14091624)               478120.37
3775290.02       24.07076  (14091624)
        478170.37   3775290.02       24.67769  (14091624)               478220.37
3775290.02       25.00214  (14091624)
        478270.37   3775290.02       25.38951  (16092018)               478320.37
3775290.02       26.56689  (16092018)
        478370.37   3775290.02       27.39042  (16092018)               478420.37
3775290.02       27.89727  (16092018)
        478470.37   3775290.02       28.17990  (14040103)               478520.37
3775290.02       28.53460  (14040103)
        478570.37   3775290.02       29.48193  (13021808)               478620.37
3775290.02       30.29951  (13021808)
        478670.37   3775290.02       30.84094  (16121606)               478720.37
3775290.02       31.37921  (16121606)
        478770.37   3775290.02       32.17186  (16021806)               478820.37
3775290.02       32.30484  (16021806)
        478870.37   3775290.02       32.08755  (15122518)               478920.37
3775290.02       33.84741  (15122518)
        478970.37   3775290.02       34.49253  (15122518)               479020.37
3775290.02       34.57698  (15100406)
        479070.37   3775290.02       37.43036  (13090718)               479120.37
3775290.02       39.22280  (13090718)
        479170.37   3775290.02       39.51903  (13090718)               479220.37
3775290.02       38.26827  (13090718)
        479270.37   3775290.02       37.23427  (14121123)               479320.37
3775290.02       36.58804  (14121123)
        479370.37   3775290.02       37.04336  (14022508)               479420.37
3775290.02       36.82871  (14022508)
        479470.37   3775290.02       35.72975  (16111019)               479520.37
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3775290.02       36.59811  (16111019)
        479570.37   3775290.02       36.07523  (16111019)                479620.37
3775290.02       34.37100  (16111019)
        479670.37   3775290.02       42.25512  (12022721)                479720.37
3775290.02       49.20194  (16092620)
        479770.37   3775290.02       50.45932  (13100921)                479820.37
3775290.02       50.17847  (16111018)
        479870.37   3775290.02       53.27479  (16111018)                479920.37
3775290.02       51.49630  (16111018)
        479970.37   3775290.02       52.23391  (15060920)                477970.37
3775340.02       21.26925  (16021808)
        478020.37   3775340.02       21.99116  (14091624)                478070.37
3775340.02       22.76016  (14091624)
        478120.37   3775340.02       23.39372  (14091624)                478170.37
3775340.02       23.69936  (14091624)
        478220.37   3775340.02       23.82067  (16092018)                478270.37
3775340.02       25.01884  (16092018)
        478320.37   3775340.02       25.84609  (16092018)                478370.37
3775340.02       26.29741  (16092018)
        478420.37   3775340.02       26.53565  (14040103)                478470.37
3775340.02       26.96541  (14040103)
        478520.37   3775340.02       27.44151  (13021808)                478570.37
3775340.02       28.46353  (13021808)
        478620.37   3775340.02       28.83821  (13021808)                478670.37
3775340.02       29.55403  (16121606)
        478720.37   3775340.02       30.09175  (16021806)                478770.37
3775340.02       30.59218  (16021806)
        478820.37   3775340.02       30.36949  (16021806)                478870.37
3775340.02       31.02227  (15122518)
        478920.37   3775340.02       32.33492  (15122518)                478970.37
3775340.02       32.61329  (15122518)
        479020.37   3775340.02       33.22597  (13090718)                479070.37
3775340.02       35.81425  (13090718)
        479120.37   3775340.02       37.23980  (13090718)                479170.37
3775340.02       37.31643  (13090718)
        479220.37   3775340.02       36.02549  (13090718)                479270.37
3775340.02       35.22178  (14121123)
        479320.37   3775340.02       34.60674  (14121123)                479370.37
3775340.02       35.00310  (14022508)
        479420.37   3775340.02       34.90480  (14022508)                479470.37
3775340.02       33.68797  (13050520)
        479520.37   3775340.02       34.56580  (16111019)                479570.37
3775340.02       34.32675  (16111019)
        479620.37   3775340.02       32.99993  (16111019)                479670.37
3775340.02       40.34121  (15101020)
        479720.37   3775340.02       47.23365  (16092620)                479770.37
3775340.02       47.79528  (13100921)
↟ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479820.37	3775340.02	46.94321	(13100921)	479870.37	3775340.02	50.53730	(16111018)
479920.37	3775340.02	49.92354	(16111018)	479970.37	3775340.02	50.01582	(13070304)
477970.37	3775390.02	20.86948	(14091624)	478020.37	3775390.02	21.64270	(14091624)
478070.37	3775390.02	22.15225	(14091624)	478120.37	3775390.02	22.51346	(14091624)
478170.37	3775390.02	22.55318	(14091624)	478220.37	3775390.02	23.54976	(16092018)
478270.37	3775390.02	24.35022	(16092018)	478320.37	3775390.02	24.92177	(16092018)
478370.37	3775390.02	25.04648	(16092018)	478420.37	3775390.02	25.53300	(14040103)
478470.37	3775390.02	25.62249	(14040103)	478520.37	3775390.02	26.65732	(13021808)
478570.37	3775390.02	27.29568	(13021808)	478620.37	3775390.02	27.70138	(16121606)
478670.37	3775390.02	28.18296	(16121606)	478720.37	3775390.02	28.86433	(16021806)
478770.37	3775390.02	28.99533	(16021806)	478820.37	3775390.02	28.73022	(14040102)
478870.37	3775390.02	29.91744	(15122518)	478920.37	3775390.02	30.84884	(15122518)

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        478970.37   3775390.02       30.82911  (15122518)               479020.37
3775390.02       32.08622  (13090718)
        479070.37   3775390.02       34.28171  (13090718)               479120.37
3775390.02       35.40031  (13090718)
        479170.37   3775390.02       35.30190  (13090718)               479220.37
3775390.02       33.99109  (13090718)
        479270.37   3775390.02       33.39273  (14121123)               479320.37
3775390.02       32.80749  (14121123)
        479370.37   3775390.02       33.14793  (14022508)               479420.37
3775390.02       33.14361  (14022508)
        479470.37   3775390.02       31.96176  (14022508)               479520.37
3775390.02       32.68563  (16111019)
        479570.37   3775390.02       32.69365  (16111019)               479620.37
3775390.02       32.98131  (16111019)
        479670.37   3775390.02       42.66185  (15101020)               479720.37
3775390.02       45.17804  (16092620)
        479770.37   3775390.02       45.23157  (16092620)               479820.37
3775390.02       46.70805  (13100921)
        479870.37   3775390.02       47.58026  (16111018)               479920.37
3775390.02       49.65493  (16111018)
        479970.37   3775390.02       48.26837  (16111018)               477970.37
3775440.02       20.55198  (14091624)
        478020.37   3775440.02       21.06906  (14091624)               478070.37
3775440.02       21.36125  (14091624)
        478120.37   3775440.02       21.41069  (14091624)               478170.37
3775440.02       22.28514  (16092018)
        478220.37   3775440.02       23.06724  (16092018)               478270.37
3775440.02       23.57210  (16092018)
        478320.37   3775440.02       23.83325  (16092018)               478370.37
3775440.02       24.11919  (14040103)
        478420.37   3775440.02       24.31951  (14040103)               478470.37
3775440.02       25.02294  (13021808)
        478520.37   3775440.02       25.73614  (13021808)               478570.37
3775440.02       26.02645  (13021808)
        478620.37   3775440.02       26.62431  (16121606)               478670.37
3775440.02       27.07114  (16021806)
        478720.37   3775440.02       27.58388  (16021806)               478770.37
3775440.02       27.41068  (16021806)
        478820.37   3775440.02       27.49219  (15122518)               478870.37
3775440.02       28.84772  (15122518)
        478920.37   3775440.02       29.40258  (15122518)               478970.37
3775440.02       29.14273  (15122518)
        479020.37   3775440.02       30.97436  (13090718)               479070.37
3775440.02       32.83104  (13090718)
        479120.37   3775440.02       33.69246  (13090718)               479170.37
3775440.02       33.45484  (13090718)
        479220.37   3775440.02       32.13938  (13090718)               479270.37
3775440.02       31.72424  (14121123)
        479320.37   3775440.02       31.16732  (14121123)               479370.37
3775440.02       31.45496  (14022508)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479420.37	3775440.02	31.52664	(14022508)	479470.37	3775440.02	30.53257	(14022508)
479520.37	3775440.02	30.94461	(16111019)	479570.37	3775440.02	31.14253	(16111019)
479620.37	3775440.02	32.00064	(16111019)	479670.37	3775440.02	41.21397	(15101020)
479720.37	3775440.02	44.03389	(16092620)	479770.37	3775440.02	44.12666	(16092620)
479820.37	3775440.02	45.30608	(13100921)	479870.37	3775440.02	45.27963	(16062706)
479920.37	3775440.02	47.71913	(16111018)	479970.37	3775440.02	46.96255	(16111018)
477970.37	3775490.02	20.05340	(14091624)	478020.37	3775490.02	20.30645	(14091624)
478070.37	3775490.02	20.42479	(14091624)	478120.37	3775490.02	21.05461	(16092018)
478170.37	3775490.02	21.86692	(16092018)	478220.37	3775490.02	22.40947	(16092018)
478270.37	3775490.02	22.64811	(16092018)	478320.37	3775490.02	22.85790	(14040103)
478370.37	3775490.02	23.16756	(14040103)	478420.37			

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3775490.02       23.43252  (13021808)
        478470.37   3775490.02       24.31371  (13021808)                478520.37
3775490.02       24.70692  (13021808)
        478570.37   3775490.02       25.15022  (16121606)                478620.37
3775490.02       25.47666  (16121606)
        478670.37   3775490.02       26.07068  (16021806)                478720.37
3775490.02       26.27947  (16021806)
        478770.37   3775490.02       25.91663  (14040102)                478820.37
3775490.02       26.68062  (15122518)
        478870.37   3775490.02       27.71801  (15122518)                478920.37
3775490.02       28.00547  (15122518)
        478970.37   3775490.02       27.96686  (15100406)                479020.37
3775490.02       29.89533  (13090718)
        479070.37   3775490.02       31.45953  (13090718)                479120.37
3775490.02       32.10522  (13090718)
        479170.37   3775490.02       31.75729  (13090718)                479220.37
3775490.02       30.44856  (13090718)
        479270.37   3775490.02       30.19698  (14121123)                479320.37
3775490.02       29.66687  (14121123)
        479370.37   3775490.02       29.90484  (14022508)                479420.37
3775490.02       30.03801  (14022508)
        479470.37   3775490.02       29.20380  (14022508)                479520.37
3775490.02       29.33073  (16111019)
        479570.37   3775490.02       29.67909  (16111019)                479620.37
3775490.02       30.72896  (16111019)
        479670.37   3775490.02       39.62722  (15101020)                479720.37
3775490.02       42.90708  (16092620)
        479770.37   3775490.02       42.60440  (16092620)                479820.37
3775490.02       43.42985  (13100921)
        479870.37   3775490.02       44.23215  (13100921)                479920.37
3775490.02       45.34621  (16062706)
        479970.37   3775490.02       45.49443  (16111018)                477970.37
3775540.02       19.40424  (14091624)
        478020.37   3775540.02       19.46475  (14091624)                478070.37
3775540.02       19.95395  (16092018)
        478120.37   3775540.02       20.73815  (16092018)                478170.37
3775540.02       21.27125  (16092018)
        478220.37   3775540.02       21.61283  (16092018)                478270.37
3775540.02       21.65849  (14040103)
        478320.37   3775540.02       22.01909  (14040103)                478370.37
3775540.02       22.12257  (14040103)
        478420.37   3775540.02       22.89813  (13021808)                478470.37
3775540.02       23.46999  (13021808)
        478520.37   3775540.02       23.65078  (16121606)                478570.37
3775540.02       24.22890  (16121606)
        478620.37   3775540.02       24.56504  (16021806)                478670.37
3775540.02       25.00269  (16021806)
        478720.37   3775540.02       24.97431  (16021806)                478770.37
3775540.02       24.76548  (14040102)
        478820.37   3775540.02       25.83789  (15122518)                478870.37
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3775540.02   26.56365 (15122518)
        478920.37   3775540.02   26.66365 (15122518)   478970.37
3775540.02   26.88194 (15100406)
        479020.37   3775540.02   28.85236 (13090718)   479070.37
3775540.02   30.16386 (13090718)
        479120.37   3775540.02   30.62844 (13090718)   479170.37
3775540.02   30.19357 (13090718)
        479220.37   3775540.02   28.90001 (13090718)   479270.37
3775540.02   28.79454 (14121123)
        479320.37   3775540.02   28.28974 (14121123)   479370.37
3775540.02   28.48108 (14022508)
        479420.37   3775540.02   28.66395 (14022508)   479470.37
3775540.02   27.96635 (14022508)
        479520.37   3775540.02   27.83298 (16111019)   479570.37
3775540.02   28.30250 (16111019)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                   L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                   L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        479620.37   3775540.02   29.50542 (16111019)   479670.37
3775540.02   38.04963 (15101020)
        479720.37   3775540.02   41.02983 (15101020)   479770.37
3775540.02   43.08073 (16092620)
        479820.37   3775540.02   41.82142 (16092620)   479870.37
3775540.02   43.94359 (15100822)

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        479920.37   3775540.02       43.10630  (16062706)               479970.37
3775540.02       44.88123  (16111018)
        478861.36   3774619.36       77.92613  (16092018)               478791.49
3774517.73       82.56252  (16021808)
        478789.65   3774444.30       88.89267  (15091504)               478748.80
3774449.81       82.77956  (15091504)
        479103.48   3774681.38       87.52001  (15122518)               479094.51
3774696.20       83.93390  (15122518)
        479077.34   3774696.98       83.00564  (16021806)               479101.53
3774731.70       79.99980  (15122518)
        479782.92   3774151.51      148.52176  (13062919)               479890.06
3774169.23      127.47912  (13101617)
        479890.06   3774137.17      119.11054  (13062919)               479913.68
3774138.01      114.72439  (13062919)
        479911.15   3774168.38      123.33169  (13062919)               479885.84
3774064.62      117.38154  (15020417)
        480398.50   3774179.13      148.38220  (13111908)               480448.50
3774179.13      147.42147  (13111908)
        480498.50   3774179.13      137.82098  (13081621)               479998.50
3774229.13      161.24301  (16062906)
        480048.50   3774229.13      149.47563  (15062921)               480098.50
3774229.13      143.54683  (15101421)
        480148.50   3774229.13      134.72983  (15101421)               480198.50
3774229.13      128.55532  (16062506)
        480248.50   3774229.13      124.17691  (16062506)               480298.50
3774229.13      121.62848  (12082821)
        480348.50   3774229.13      118.33480  (12082821)               480398.50
3774229.13      116.11763  (12082821)
        480448.50   3774229.13      110.75859  (12082821)               480498.50
3774229.13      109.48223  (12082821)
        479998.50   3774279.13      135.75036  (15062706)               480048.50
3774279.13      129.35656  (16062906)
        480098.50   3774279.13      126.37024  (16062906)               480148.50
3774279.13      118.54177  (16062906)
        480198.50   3774279.13      115.12539  (16062906)               480248.50
3774279.13      108.49602  (16062906)
        480298.50   3774279.13      106.67909  (16072724)               480348.50
3774279.13      105.77136  (16072724)
        480398.50   3774279.13      103.53028  (16091822)               480448.50
3774279.13       98.95324  (14082821)
        480498.50   3774279.13       97.08567  (14082821)               479998.50
3774329.13      125.20841  (14061006)
        480048.50   3774329.13      119.45442  (14061006)               480098.50
3774329.13      114.94268  (14061006)
        480148.50   3774329.13      108.20444  (15062706)               480198.50
3774329.13      107.37364  (15062706)
        480248.50   3774329.13      101.95918  (16062906)               480298.50
3774329.13      100.57567  (16062906)
        480348.50   3774329.13       96.88675  (16062906)               480398.50
3774329.13       94.67986  (14082722)
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        480448.50   3774329.13       92.42013  (12092122)                480498.50
3774329.13       89.80566  (12092122)
        479998.50   3774379.13      117.46163  (16062023)                480048.50
3774379.13      111.16207  (16111417)
        480098.50   3774379.13      107.28637  (15090822)                480148.50
3774379.13      101.64278  (15090822)
        480198.50   3774379.13      101.40553  (15090822)                480248.50
3774379.13       95.32427  (14061006)
        480298.50   3774379.13       93.78803  (13070105)                480348.50
3774379.13       91.10117  (16081622)
        480398.50   3774379.13       87.10618  (15092522)                480448.50
3774379.13       88.13169  (15092522)
        480498.50   3774379.13       85.39860  (15092522)                479998.50
3774429.13      111.28673  (13081722)
        480048.50   3774429.13      107.97193  (13081722)                480098.50
3774429.13      101.91323  (16062023)
        480148.50   3774429.13       98.64812  (14082123)                480198.50
3774429.13       95.43868  (16072822)
        480248.50   3774429.13       90.94266  (15090822)                480298.50
3774429.13       90.75730  (15090822)
        480348.50   3774429.13       87.98245  (15090822)                480398.50
3774429.13       86.59497  (15090822)
        480448.50   3774429.13       83.25547  (15062223)                480498.50
3774429.13       81.37242  (16081622)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:39:05

                                    PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                   L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                   L0002516    , L0002517    , L0002518    , L0002519    , L0002520
, L0002521    , L0002522    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        479998.50   3774479.13   106.93829 (13062306)   480048.50
3774479.13   103.67457 (13062306)
        480098.50   3774479.13   97.51040 (15061206)   480148.50
3774479.13   95.48743 (12091522)
        480198.50   3774479.13   91.80494 (12091522)   480248.50
3774479.13   86.79225 (16072622)
        480298.50   3774479.13   87.93301 (16072622)   480348.50
3774479.13   83.98062 (16072822)
        480398.50   3774479.13   83.99148 (16072822)   480448.50
3774479.13   80.53889 (13070921)
        480498.50   3774479.13   79.70941 (13070921)   479998.50
3774529.13   103.77636 (15082722)
        480048.50   3774529.13   99.39584 (14083022)   480098.50
3774529.13   94.26969 (13062306)
        480148.50   3774529.13   92.83105 (15101218)   480198.50
3774529.13   87.83295 (15061206)
        480248.50   3774529.13   84.67625 (12091522)   480298.50
3774529.13   84.68660 (12091522)
        480348.50   3774529.13   81.13106 (16072622)   480398.50
3774529.13   81.28612 (12081122)
        480448.50   3774529.13   77.55182 (12081122)   480498.50
3774529.13   77.58343 (13071323)
        479998.50   3774579.13   100.00173 (15072106)   480048.50
3774579.13   94.01559 (16072821)
        480098.50   3774579.13   94.38275 (16072221)   480148.50
3774579.13   89.20401 (14083022)
        480198.50   3774579.13   84.65057 (15101218)   480248.50
3774579.13   85.23102 (15101218)
        480298.50   3774579.13   80.24684 (13062521)   480348.50
3774579.13   80.68939 (13090822)
        480398.50   3774579.13   77.85046 (13070124)   480448.50
3774579.13   76.46943 (12081122)
        480498.50   3774579.13   75.74349 (12081122)   479998.50
3774629.13   95.23212 (14092320)
        480048.50   3774629.13   91.65922 (15072106)   480098.50
3774629.13   88.95136 (12071222)
        480148.50   3774629.13   85.19025 (16072221)   480198.50
3774629.13   84.98103 (16072221)
        480248.50   3774629.13   81.98763 (12091420)   480298.50
3774629.13   81.30023 (15101218)
        480348.50   3774629.13   78.45855 (15101218)   480398.50
3774629.13   74.87976 (14090823)
        480448.50   3774629.13   75.50222 (13090822)   480498.50
3774629.13   74.23977 (13090822)
        479998.50   3774679.13   91.95337 (12071219)   480048.50
3774679.13   87.49173 (14092320)
        480098.50   3774679.13   85.95427 (15072106)   480148.50

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3774679.13       81.83330  (15072106)
        480198.50   3774679.13       82.60299  (12071222)                480248.50
3774679.13       79.38572  (16072221)
        480298.50   3774679.13       79.26968  (16072221)                480348.50
3774679.13       75.86577  (13090224)
        480398.50   3774679.13       75.56181  (12081522)                480448.50
3774679.13       73.11135  (14090823)
        480498.50   3774679.13       72.93334  (14090823)                479998.50
3774729.13       88.52224  (12071219)
        480048.50   3774729.13       86.27782  (12071219)                480098.50
3774729.13       81.74616  (14092320)
        480148.50   3774729.13       80.00905  (14092320)                480198.50
3774729.13       77.76557  (15072106)
        480248.50   3774729.13       78.76272  (12071222)                480298.50
3774729.13       76.26589  (12071222)
        480348.50   3774729.13       74.04746  (16072221)                480398.50
3774729.13       73.11309  (12091420)
        480448.50   3774729.13       72.05406  (13090224)                480498.50
3774729.13       70.46131  (12081522)
        479998.50   3774779.13       81.13901  (12071219)                480048.50
3774779.13       83.07244  (12071219)
        480098.50   3774779.13       79.36399  (12071219)                480148.50
3774779.13       76.28004  (16112008)
        480198.50   3774779.13       75.85638  (14040821)                480248.50
3774779.13       74.23763  (14042023)
        480298.50   3774779.13       72.08803  (12082820)                480348.50
3774779.13       73.40843  (12071222)
        480398.50   3774779.13       70.60549  (12071222)                480448.50
3774779.13       69.82085  (16072221)
        480498.50   3774779.13       68.07663  (12091420)                479998.50
3774829.13       77.82096  (13063021)
        480048.50   3774829.13       78.26853  (15090821)                480098.50
3774829.13       75.84829  (12071219)
*** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE 265
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0002507    ,
                  L0002508    , L0002509    , L0002510    , L0002511    , L0002512
, L0002513    , L0002514    , L0002515    ,
                  L0002516    , L0002517    , L0002518    , L0002519    , L0002520
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, L0002521   , L0002522   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480148.50	3774829.13	74.28760	(12071219)	480198.50	3774829.13	72.61530	(16072303)
480248.50	3774829.13	72.34777	(14040821)	480298.50	3774829.13	69.00263	(14040821)
480348.50	3774829.13	69.42098	(14042023)	480398.50	3774829.13	67.84302	(12071222)
480448.50	3774829.13	68.37381	(12071222)	480498.50	3774829.13	66.06051	(12071222)
479998.50	3774879.13	75.91753	(13063021)	480048.50	3774879.13	73.80898	(13063021)
480098.50	3774879.13	71.75699	(15090821)	480148.50	3774879.13	70.76519	(12071219)
480198.50	3774879.13	69.68413	(16062824)	480248.50	3774879.13	69.37945	(16072303)
480298.50	3774879.13	66.98786	(14040821)	480348.50	3774879.13	67.14255	(14040821)
480398.50	3774879.13	66.89860	(12071323)	480448.50	3774879.13	65.00022	(14081423)
480498.50	3774879.13	64.39786	(12071222)	479998.50	3774929.13	71.27019	(14101507)
480048.50	3774929.13	70.85233	(12081701)	480098.50	3774929.13	67.81511	(13063021)
480148.50	3774929.13	69.32578	(15090821)	480198.50	3774929.13	66.10504	(16062824)
480248.50	3774929.13	67.57009	(15081622)	480298.50	3774929.13	64.77416	(16072303)
480348.50	3774929.13	64.68462	(14040821)	480398.50	3774929.13	64.98691	(14040821)
480448.50	3774929.13	63.22818	(12071323)	480498.50	3774929.13	63.44512	(12071323)
479998.50	3774979.13	67.87788	(16090403)	480048.50	3774979.13	67.07818	(16072601)
480098.50	3774979.13	65.38023	(13063021)	480148.50	3774979.13	65.98910	(12081701)
480198.50	3774979.13	64.26060	(15090821)	480248.50	3774979.13	64.15987	(15081622)
480298.50	3774979.13	63.05572	(15081622)	480348.50	3774979.13	62.90748	(15081622)

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        480398.50   3774979.13       62.96026  (13082824)                480448.50
3774979.13       61.04938  (14040821)
        480498.50   3774979.13       61.43899  (12071323)                479998.50
3775029.13       64.53977  (14100622)
        480048.50   3775029.13       63.66391  (16102719)                480098.50
3775029.13       62.09943  (14071423)
        480148.50   3775029.13       63.92330  (12081701)                480198.50
3775029.13       61.20173  (12081701)
        480248.50   3775029.13       61.97605  (15090821)                480298.50
3775029.13       59.79272  (15081622)
        480348.50   3775029.13       61.59340  (15081622)                480398.50
3775029.13       61.33072  (15081622)
        480448.50   3775029.13       59.32929  (13082824)                480498.50
3775029.13       59.12487  (14040821)
        479998.50   3775079.13       61.81473  (15031120)                480048.50
3775079.13       60.90351  (16072103)
        480098.50   3775079.13       59.04210  (15032521)                480148.50
3775079.13       60.79828  (16072601)
        480198.50   3775079.13       59.51587  (12081701)                480248.50
3775079.13       56.97607  (12081701)
        480298.50   3775079.13       58.01456  (15090821)                480348.50
3775079.13       58.30999  (15081622)
        480398.50   3775079.13       59.89546  (15081622)                480448.50
3775079.13       59.16285  (15081622)
        480498.50   3775079.13       58.72868  (13082824)                479998.50
3775129.13       58.62815  (15062006)
        480048.50   3775129.13       58.35144  (15031120)                480098.50
3775129.13       56.28814  (16072103)
        480148.50   3775129.13       58.02656  (16102719)                480198.50
3775129.13       56.70982  (16072601)
        480248.50   3775129.13       55.83527  (12081701)                480298.50
3775129.13       55.56847  (12081701)
        480348.50   3775129.13       57.68444  (16091921)                480398.50
3775129.13       57.04605  (16091921)
        480448.50   3775129.13       57.70994  (15081622)                480498.50
3775129.13       57.23528  (15081622)
        479998.50   3775179.13       58.30538  (15062006)                480048.50
3775179.13       55.56794  (15031120)
        480098.50   3775179.13       56.71995  (16072103)                480148.50
3775179.13       55.87439  (16102719)
        480198.50   3775179.13       54.98037  (16072601)                480248.50
3775179.13       55.30803  (16072601)
 *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                          ***        01/09/23
 *** AERMET - VERSION  16216 ***   ***
                         ***       10:39:05

                                   PAGE 266
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 , L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 , L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480298.50	3775179.13	56.02126	(12081701)	480348.50	3775179.13	56.13962	(13082422)
480398.50	3775179.13	55.88480	(16091921)	480448.50	3775179.13	56.67623	(16091921)
480498.50	3775179.13	56.74458	(15081622)	479998.50	3775229.13	56.23403	(15062006)
480048.50	3775229.13	53.72459	(15062006)	480098.50	3775229.13	54.27908	(16072103)
480148.50	3775229.13	53.76094	(16072103)	480198.50	3775229.13	52.80659	(16102719)
480248.50	3775229.13	53.26632	(16072601)	480298.50	3775229.13	54.00243	(12081701)
480348.50	3775229.13	55.11132	(13020223)	480398.50	3775229.13	55.16700	(13082422)
480448.50	3775229.13	55.88664	(16091921)	480498.50	3775229.13	54.69752	(16091921)
479998.50	3775279.13	53.41091	(15062006)	480048.50	3775279.13	52.43382	(15062006)
480098.50	3775279.13	51.94249	(15080323)	480148.50	3775279.13	51.38541	(16072103)
480198.50	3775279.13	51.00907	(16072103)	480248.50	3775279.13	51.62784	(16102719)
480298.50	3775279.13	51.66647	(16072601)	480348.50	3775279.13	53.64218	(15102518)
480398.50	3775279.13	53.83464	(13020223)	480448.50	3775279.13	53.95897	(13082422)
480498.50	3775279.13	54.08719	(16091921)	479998.50	3775329.13	50.05246	(15062006)
480048.50	3775329.13	50.41163	(15062006)	480098.50			

3775329.13 50.52142 (15062006)
480148.50 3775329.13 48.63741 (15031120) 480198.50
3775329.13 50.36403 (16072103)
480248.50 3775329.13 49.43003 (16102719) 480298.50
3775329.13 51.80965 (16102719)
480348.50 3775329.13 51.51729 (14110620) 480398.50
3775329.13 53.61575 (15102518)
480448.50 3775329.13 52.61986 (15092423) 480498.50
3775329.13 52.64075 (16091921)
479998.50 3775379.13 47.85969 (13070304) 480048.50
3775379.13 48.36205 (15062006)
480098.50 3775379.13 49.17428 (15062006) 480148.50
3775379.13 47.44554 (15080323)
480198.50 3775379.13 48.28324 (16072103) 480248.50
3775379.13 49.76464 (16072103)
480298.50 3775379.13 51.08279 (16102719) 480348.50
3775379.13 51.62320 (15082521)
480398.50 3775379.13 52.19284 (14110620) 480448.50
3775379.13 52.57453 (15102518)
480498.50 3775379.13 52.40804 (15092423) 479998.50
3775429.13 46.12043 (16111018)
480048.50 3775429.13 47.42974 (13070304) 480098.50
3775429.13 47.14953 (15062006)
480148.50 3775429.13 47.38727 (15080323) 480198.50
3775429.13 47.18092 (15080323)
480248.50 3775429.13 49.51440 (13090824) 480298.50
3775429.13 50.01618 (14073003)
480348.50 3775429.13 51.76964 (15082701) 480398.50
3775429.13 52.48824 (15082521)
480448.50 3775429.13 51.32619 (14110620) 480498.50
3775429.13 51.73817 (15102518)
479998.50 3775479.13 46.00872 (16111018) 480048.50
3775479.13 45.73250 (13070304)
480098.50 3775479.13 45.17891 (15060920) 480148.50
3775479.13 46.39726 (16062104)
480198.50 3775479.13 47.67679 (15080323) 480248.50
3775479.13 49.11976 (14092506)
480298.50 3775479.13 50.96453 (13090824) 480348.50
3775479.13 50.99305 (14073003)
480398.50 3775479.13 52.08838 (15082701) 480448.50
3775479.13 51.35827 (15082521)
480498.50 3775479.13 51.61712 (14110620) 480254.72
3774120.37 120.27039 (15082823)
480287.52 3774147.62 133.90024 (12080622) 480349.09
3774140.55 131.77672 (13062822)
480381.90 3774044.67 114.67314 (12090321) 480443.97
3774003.79 120.30588 (13062823)
480407.64 3774005.81 122.10830 (13062823) 480390.48
3774008.33 121.74017 (13062823)
480543.03 3774446.66 79.40444 (16081622) 480593.03

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                   L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                   L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        480643.03   3774446.66   77.72740 (15082519)   480693.03
3774446.66   77.83121 (15082519)
        480743.03   3774446.66   75.33720 (13071123)   480793.03
3774446.66   75.95274 (13071124)
        480843.03   3774446.66   74.07714 (14082722)   480893.03
3774446.66   73.46335 (14082722)
        480943.03   3774446.66   72.67535 (14082722)   480993.03
3774446.66   70.54291 (14082722)
        481043.03   3774446.66   69.90647 (14082722)   481093.03
3774446.66   68.44439 (14082722)
        481143.03   3774446.66   67.94403 (13090823)   481193.03
3774446.66   67.40473 (13090823)
        481243.03   3774446.66   66.74263 (13090823)   481293.03
3774446.66   66.74160 (12071324)
        481343.03   3774446.66   66.83283 (12071324)   481393.03
3774446.66   65.37113 (12071324)
        481443.03   3774446.66   65.07165 (12071324)   480543.03
3774496.66   77.29217 (13070921)
        480593.03   3774496.66   77.67538 (13070921)   480643.03
3774496.66   74.95256 (13070921)

480693.03 3774496.66 74.59530 (15082519) 480743.03
3774496.66 74.12301 (15082519)
480793.03 3774496.66 73.68995 (15082519) 480843.03
3774496.66 71.38448 (15082519)
480893.03 3774496.66 70.37743 (15082519) 480943.03
3774496.66 69.29814 (15082519)
480993.03 3774496.66 68.63500 (13071123) 481043.03
3774496.66 67.08075 (14082724)
481093.03 3774496.66 65.49705 (14082724) 481143.03
3774496.66 65.49641 (12091921)
481193.03 3774496.66 65.59851 (12091921) 481243.03
3774496.66 64.16354 (12091921)
481293.03 3774496.66 63.78999 (12091921) 481343.03
3774496.66 63.39800 (12091921)
481393.03 3774496.66 63.27588 (12090424) 481443.03
3774496.66 61.73197 (12090424)
481493.03 3774496.66 61.55345 (12090424) 480543.03
3774546.66 75.69337 (13071323)
480593.03 3774546.66 74.22245 (13071323) 480643.03
3774546.66 72.30770 (13070921)
480693.03 3774546.66 72.48942 (13070921) 480743.03
3774546.66 71.19763 (13070921)
480793.03 3774546.66 69.87503 (13111017) 480843.03
3774546.66 67.64911 (14060124)
480893.03 3774546.66 68.52112 (15082519) 480943.03
3774546.66 67.11686 (15082519)
480993.03 3774546.66 67.30126 (15082519) 481043.03
3774546.66 65.57799 (15082519)
481093.03 3774546.66 65.57276 (15082519) 481143.03
3774546.66 64.41978 (15082519)
481193.03 3774546.66 63.08435 (15082519) 481243.03
3774546.66 62.62492 (15080522)
481293.03 3774546.66 62.07333 (14082724) 481343.03
3774546.66 60.87618 (14082724)
481393.03 3774546.66 60.43104 (14082724) 481443.03
3774546.66 59.34789 (14082724)
481493.03 3774546.66 58.47877 (12091921) 481543.03
3774546.66 57.16781 (12091921)
480543.03 3774596.66 74.87820 (12081122) 480593.03
3774596.66 72.56905 (12081122)
480643.03 3774596.66 72.01489 (12081122) 480693.03
3774596.66 69.36636 (13071323)
480743.03 3774596.66 69.44258 (16083004) 480793.03
3774596.66 67.29624 (13070921)
480843.03 3774596.66 67.04844 (13070921) 480893.03
3774596.66 65.60517 (13070921)
480943.03 3774596.66 64.40787 (13111017) 480993.03
3774596.66 63.71911 (13111017)
481043.03 3774596.66 63.30919 (15082519) 481093.03
3774596.66 62.96119 (15082519)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0002507 ,
L0002508 , L0002509 , L0002510 , L0002511 , L0002512 , L0002513 , L0002514 , L0002515 ,
L0002516 , L0002517 , L0002518 , L0002519 , L0002520 , L0002521 , L0002522 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480593.03	3774646.66	70.93223	(15100820)	480643.03	3774646.66	70.04230	(12081122)
480693.03	3774646.66	67.99663	(12081122)	480743.03	3774646.66	67.65762	(12081122)
480793.03	3774646.66	65.53436	(12081705)	480843.03	3774646.66	65.41882	(16083004)
480893.03	3774646.66	64.19797	(16083004)	480943.03	3774646.66	63.21999	(14091601)
480993.03	3774646.66	61.81882	(14091601)	481043.03	3774646.66	62.09478	(14091601)
481093.03	3774646.66	61.95379	(14091601)	481143.03	3774646.66	63.12615	(15082519)
481193.03	3774596.66	62.30679	(15082519)	481243.03	3774596.66	61.51706	(15082519)
481293.03	3774596.66	60.86044	(15082519)	481343.03	3774596.66	59.77078	(15082519)
481393.03	3774596.66	58.57348	(15080522)	481443.03	3774596.66	57.98015	(12081424)
481493.03	3774596.66	56.69853	(12081424)	481543.03	3774596.66	55.97546	(14082724)
480543.03	3774646.66	72.05023	(13090822)				

3774646.66 59.94821 (14091601)
481193.03 3774646.66 59.42855 (16060301) 481243.03
3774646.66 58.59982 (15082519)
481293.03 3774646.66 58.66596 (15082519) 481343.03
3774646.66 58.01996 (15082519)
481393.03 3774646.66 57.44473 (15082519) 481443.03
3774646.66 56.96163 (15082519)
481493.03 3774646.66 55.87538 (15082519) 481543.03
3774646.66 54.85533 (15082519)
480543.03 3774696.66 69.72798 (14073102) 480593.03
3774696.66 69.42764 (13090822)
480643.03 3774696.66 67.48945 (13090822) 480693.03
3774696.66 67.02058 (15100820)
480743.03 3774696.66 65.71078 (15100820) 480793.03
3774696.66 63.87373 (12081122)
480843.03 3774696.66 63.59064 (12081705) 480893.03
3774696.66 63.67053 (12081705)
480943.03 3774696.66 62.19892 (12081705) 480993.03
3774696.66 61.55092 (12081705)
481043.03 3774696.66 60.36032 (16083004) 481093.03
3774696.66 59.73782 (14091601)
481143.03 3774696.66 59.67516 (14091601) 481193.03
3774696.66 58.62260 (14091601)
481243.03 3774696.66 58.24314 (14091601) 481293.03
3774696.66 56.52171 (14091601)
481343.03 3774696.66 55.72416 (14091601) 481393.03
3774696.66 55.54430 (16060301)
481443.03 3774696.66 54.41094 (15082519) 481493.03
3774696.66 54.33344 (15082519)
481543.03 3774696.66 53.85974 (15082519) 480543.03
3774746.66 69.28416 (12081522)
480593.03 3774746.66 67.84117 (14090823) 480643.03
3774746.66 66.42154 (14073102)
480693.03 3774746.66 65.46365 (14073102) 480743.03
3774746.66 63.56719 (13090822)
480793.03 3774746.66 63.17068 (15101422) 480843.03
3774746.66 61.73243 (15100820)
480893.03 3774746.66 61.60033 (13070323) 480943.03
3774746.66 60.63943 (12081705)
480993.03 3774746.66 60.47535 (12081705) 481043.03
3774746.66 60.50865 (12081705)
481093.03 3774746.66 58.82726 (12081705) 481143.03
3774746.66 57.97834 (12081705)
481193.03 3774746.66 57.25393 (12082922) 481243.03
3774746.66 56.40826 (12082922)
481293.03 3774746.66 56.11014 (14091601) 481343.03
3774746.66 55.50152 (14091601)
481393.03 3774746.66 54.68357 (14091601) 481443.03
3774746.66 53.88554 (14091601)
481493.03 3774746.66 52.67261 (14091601) 481543.03

3774746.66   51.84797 (16060301)
        480543.03   3774796.66   66.84354 (12091420)   480593.03
3774796.66   66.01445 (13090224)
        480643.03   3774796.66   65.22988 (12081522)   480693.03
3774796.66   65.28935 (13090323)
        480743.03   3774796.66   63.55979 (13090323)   480793.03
3774796.66   61.64326 (14073102)
        480843.03   3774796.66   60.90861 (13070303)   480893.03
3774796.66   59.59697 (13082921)
        480943.03   3774796.66   59.70460 (13070323)   480993.03
3774796.66   59.27158 (13070323)
        481043.03   3774796.66   58.07630 (15072523)   481093.03
3774796.66   58.36520 (12081705)
        481143.03   3774796.66   57.16899 (12081705)   481193.03
3774796.66   56.90241 (12081705)
        481243.03   3774796.66   55.29503 (12081705)   481293.03
3774796.66   54.31440 (12082922)
        481343.03   3774796.66   54.34971 (12082922)   481393.03
3774796.66   53.25999 (12082922)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0002507   ,
                 L0002508   , L0002509   , L0002510   , L0002511   , L0002512
, L0002513   , L0002514   , L0002515   ,
                 L0002516   , L0002517   , L0002518   , L0002519   , L0002520
, L0002521   , L0002522   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        481443.03   3774796.66   52.72977 (14091601)   481493.03
3774796.66   52.60138 (12081401)

```
        481543.03   3774796.66       52.22014  (12081401)               480543.03
3774846.66       64.73045  (16072221)
        480593.03   3774846.66       64.88278  (15100821)               480643.03
3774846.66       63.48277  (15100821)
        480693.03   3774846.66       63.87042  (14070702)               480743.03
3774846.66       62.40500  (13090323)
        480793.03   3774846.66       60.25593  (13090323)               480843.03
3774846.66       59.81767  (13090323)
        480893.03   3774846.66       58.36348  (12090521)               480943.03
3774846.66       57.96938  (12090521)
        480993.03   3774846.66       57.79446  (13110718)               481043.03
3774846.66       56.99627  (13110718)
        481093.03   3774846.66       56.22294  (13070323)               481143.03
3774846.66       55.74853  (15072523)
        481193.03   3774846.66       54.82951  (12081705)               481243.03
3774846.66       55.02856  (12081705)
        481293.03   3774846.66       54.39304  (12081705)               481343.03
3774846.66       53.66985  (12081705)
        481393.03   3774846.66       52.64446  (12081705)               481443.03
3774846.66       51.92149  (12082922)
        481493.03   3774846.66       51.32892  (12082922)               481543.03
3774846.66       50.80073  (12082922)
        480543.03   3774896.66       63.41639  (12081324)               480593.03
3774896.66       63.27352  (12081324)
        480643.03   3774896.66       62.70111  (15100821)               480693.03
3774896.66       62.91564  (15100821)
        480743.03   3774896.66       61.35717  (15100821)               480793.03
3774896.66       59.30623  (14070702)
        480843.03   3774896.66       58.24225  (13090323)               480893.03
3774896.66       58.06993  (13090323)
        480943.03   3774896.66       57.36511  (13090323)               480993.03
3774896.66       56.92230  (12090521)
        481043.03   3774896.66       56.26553  (12090521)               481093.03
3774896.66       55.25407  (13110718)
        481143.03   3774896.66       54.69257  (13110718)               481193.03
3774896.66       53.73483  (13110718)
        481243.03   3774896.66       52.77427  (13070323)               481293.03
3774896.66       52.76623  (12083005)
        481343.03   3774896.66       52.37555  (12081705)               481393.03
3774896.66       52.14308  (12081705)
        481443.03   3774896.66       51.63825  (12081705)               481493.03
3774896.66       50.84618  (12081705)
        481543.03   3774896.66       49.90563  (16103004)               480543.03
3774946.66       62.44693  (14081423)
        480593.03   3774946.66       61.46234  (12081324)               480643.03
3774946.66       61.75476  (12081324)
        480693.03   3774946.66       60.51216  (12081324)               480743.03
3774946.66       59.39308  (15100821)
        480793.03   3774946.66       58.24213  (15100821)               480843.03
3774946.66       56.40827  (15100821)
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*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
IDLE	1ST HIGHEST VALUE IS	38.32919	AT (479320.37, 3774240.02, 350.00, 350.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	36.97085	AT (479270.37, 3774240.02, 350.00, 350.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	31.03057	AT (479370.37, 3774240.02, 350.00, 350.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	28.31186	AT (479220.37, 3774240.02, 349.00, 349.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	23.51765	AT (479420.37, 3774240.02, 351.00, 351.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	21.14476	AT (479320.37, 3774290.02, 350.00, 350.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	20.79536	AT (479270.37, 3774290.02, 350.00, 350.00, 0.00)	DC	

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          8TH HIGHEST VALUE IS      20.38876 AT (  479170.37,  3774240.02,   349.00,
  349.00,    0.00)  DC
          9TH HIGHEST VALUE IS      18.88593 AT (  479370.37,  3774290.02,   350.68,
  350.68,    0.00)  DC
         10TH HIGHEST VALUE IS      18.33239 AT (  479470.37,  3774240.02,   351.00,
  351.00,    0.00)  DC

 ONSITE    1ST HIGHEST VALUE IS      49.97005 AT (  479320.37,  3774240.02,   350.00,
  350.00,    0.00)  DC
          2ND HIGHEST VALUE IS      43.10118 AT (  479370.37,  3774240.02,   350.00,
  350.00,    0.00)  DC
          3RD HIGHEST VALUE IS      37.32340 AT (  479270.37,  3774240.02,   350.00,
  350.00,    0.00)  DC
          4TH HIGHEST VALUE IS      30.94776 AT (  479420.37,  3774240.02,   351.00,
  351.00,    0.00)  DC
          5TH HIGHEST VALUE IS      25.05141 AT (  479220.37,  3774240.02,   349.00,
  349.00,    0.00)  DC
          6TH HIGHEST VALUE IS      24.01803 AT (  479320.37,  3774290.02,   350.00,
  350.00,    0.00)  DC
          7TH HIGHEST VALUE IS      22.90701 AT (  479470.37,  3774240.02,   351.00,
  351.00,    0.00)  DC
          8TH HIGHEST VALUE IS      22.64606 AT (  479370.37,  3774290.02,   350.68,
  350.68,    0.00)  DC
          9TH HIGHEST VALUE IS      21.37972 AT (  479270.37,  3774290.02,   350.00,
  350.00,    0.00)  DC
         10TH HIGHEST VALUE IS      18.83334 AT (  479420.37,  3774290.02,   351.00,
  351.00,    0.00)  DC

 TRUCK1    1ST HIGHEST VALUE IS      40.73808 AT (  480448.50,  3774179.13,   360.00,
  360.00,    0.00)  DC
          2ND HIGHEST VALUE IS      38.86999 AT (  480398.50,  3774179.13,   359.41,
  359.41,    0.00)  DC
          3RD HIGHEST VALUE IS      35.54310 AT (  480498.50,  3774179.13,   360.29,
  360.29,    0.00)  DC
          4TH HIGHEST VALUE IS      30.62531 AT (  480287.52,  3774147.62,   358.25,
  358.25,    0.00)  DC
          5TH HIGHEST VALUE IS      29.55624 AT (  480349.09,  3774140.55,   359.00,
  359.00,    0.00)  DC
          6TH HIGHEST VALUE IS      26.83017 AT (  479998.50,  3774229.13,   355.62,
  355.62,    0.00)  DC
          7TH HIGHEST VALUE IS      26.25198 AT (  479890.06,  3774169.23,   354.00,
  354.00,    0.00)  DC
          8TH HIGHEST VALUE IS      25.92515 AT (  479911.15,  3774168.38,   354.00,
  354.00,    0.00)  DC
          9TH HIGHEST VALUE IS      24.69466 AT (  480048.50,  3774229.13,   356.00,
  356.00,    0.00)  DC
         10TH HIGHEST VALUE IS      22.80957 AT (  480098.50,  3774229.13,   356.95,
  356.95,    0.00)  DC

 TRUCK2    1ST HIGHEST VALUE IS      20.74550 AT (  480443.97,  3774003.79,   360.00,
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  351.00,    0.00)  DC
         6TH HIGHEST VALUE IS      21.64680 AT (  479320.37,  3774290.02,   350.00,
  350.00,    0.00)  DC
         7TH HIGHEST VALUE IS      20.64478 AT (  479270.37,  3774290.02,   350.00,
  350.00,    0.00)  DC
         8TH HIGHEST VALUE IS      19.79834 AT (  479370.37,  3774290.02,   350.68,
  350.68,    0.00)  DC
         9TH HIGHEST VALUE IS      19.47405 AT (  479470.37,  3774240.02,   351.00,
  351.00,    0.00)  DC
        10TH HIGHEST VALUE IS      19.18367 AT (  479170.37,  3774240.02,   349.00,
  349.00,    0.00)  DC

ALL       1ST HIGHEST VALUE IS     140.20118 AT (  479320.37,  3774240.02,   350.00,
  350.00,    0.00)  DC
         2ND HIGHEST VALUE IS     126.25876 AT (  479370.37,  3774240.02,   350.00,
  350.00,    0.00)  DC
         3RD HIGHEST VALUE IS     117.37393 AT (  479270.37,  3774240.02,   350.00,
  350.00,    0.00)  DC
         4TH HIGHEST VALUE IS     101.56097 AT (  479420.37,  3774240.02,   351.00,
  351.00,    0.00)  DC
         5TH HIGHEST VALUE IS      85.15035 AT (  479220.37,  3774240.02,   349.00,
  349.00,    0.00)  DC
         6TH HIGHEST VALUE IS      84.17549 AT (  479470.37,  3774240.02,   351.00,
  351.00,    0.00)  DC
         7TH HIGHEST VALUE IS      73.95474 AT (  479320.37,  3774290.02,   350.00,
  350.00,    0.00)  DC
         8TH HIGHEST VALUE IS      72.00146 AT (  479520.37,  3774240.02,   351.68,
  351.68,    0.00)  DC
         9TH HIGHEST VALUE IS      70.25295 AT (  479370.37,  3774290.02,   350.68,
  350.68,    0.00)  DC
        10TH HIGHEST VALUE IS      68.32500 AT (  479270.37,  3774290.02,   350.00,
  350.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↟ *** AERMOD - VERSION 21112  ***   *** Drake Warehouse Construction HRA
                        ***       01/09/23
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:39:05

                                  PAGE 272
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                  *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***
```

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	DATE (YYMMDDHH) NETWORK GRID-ID	RECEPTOR
IDLE HIGH 1ST HIGH VALUE IS	355.84133	ON 13112916:	AT (479370.37, 3774240.02, 350.00, 350.00, 0.00) DC
ONSITE HIGH 1ST HIGH VALUE IS	430.48001	ON 13112916:	AT (479370.37, 3774240.02, 350.00, 350.00, 0.00) DC
TRUCK1 HIGH 1ST HIGH VALUE IS	107.66017	ON 12041107:	AT (480448.50, 3774179.13, 360.00, 360.00, 0.00) DC
TRUCK2 HIGH 1ST HIGH VALUE IS	50.43957	ON 13062606:	AT (480443.97, 3774003.79, 360.00, 360.00, 0.00) DC
FORK HIGH 1ST HIGH VALUE IS	377.20936	ON 13112916:	AT (479370.37, 3774240.02, 350.00, 350.00, 0.00) DC
ALL HIGH 1ST HIGH VALUE IS	1213.75039	ON 13112916:	AT (479370.37, 3774240.02, 350.00, 350.00, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1638 Informational Message(s)

A Total of 43848 Hours Were Processed

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A Total of         1039 Calm Hours Identified

A Total of          599 Missing Hours Identified (  1.37 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186    1025       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187    1025       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

HARP2 - HRACalc (dated 22118) 1/9/2023 2:20:32 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality
Work\HARP2\5thVictoriaOp\hra\5thVicCancerOpCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality
Work\HARP2\5thVictoriaOp\hra\5thVicCancerOpCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 1/9/2023 2:20:32 PM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5thVictoriaOp\hra\5thVicCancerOpHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		478170.4	3774040	2.74E-07	30YrCancer	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		478220.4	3774040	2.95E-07	30YrCancer	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		478270.4	3774040	3.20E-07	30YrCancer	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		478320.4	3774040	3.48E-07	30YrCancer	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		478170.4	3774090	2.67E-07	30YrCancer	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		478220.4	3774090	2.88E-07	30YrCancer	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		478270.4	3774090	3.12E-07	30YrCancer	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		478320.4	3774090	3.38E-07	30YrCancer	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		478170.4	3774140	2.60E-07	30YrCancer	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		478220.4	3774140	2.80E-07	30YrCancer	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		478270.4	3774140	3.03E-07	30YrCancer	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		478320.4	3774140	3.29E-07	30YrCancer	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		478170.4	3774190	2.54E-07	30YrCancer	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		478220.4	3774190	2.73E-07	30YrCancer	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		478270.4	3774190	2.94E-07	30YrCancer	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		478320.4	3774190	3.18E-07	30YrCancer	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		478170.4	3774240	2.47E-07	30YrCancer	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		478220.4	3774240	2.65E-07	30YrCancer	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		478270.4	3774240	2.85E-07	30YrCancer	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		478320.4	3774240	3.08E-07	30YrCancer	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		478370.4	3774240	3.35E-07	30YrCancer	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		478420.4	3774240	3.65E-07	30YrCancer	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		478470.4	3774240	4.00E-07	30YrCancer	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		478520.4	3774240	4.41E-07	30YrCancer	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		478570.4	3774240	4.88E-07	30YrCancer	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		479170.4	3774240	4.53E-06	30YrCancer	4.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		479220.4	3774240	6.32E-06	30YrCancer	6.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		479270.4	3774240	8.52E-06	30YrCancer	8.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		479320.4	3774240	9.48E-06	30YrCancer	9.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		479370.4	3774240	8.09E-06	30YrCancer	8.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		479420.4	3774240	6.23E-06	30YrCancer	6.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		479470.4	3774240	4.91E-06	30YrCancer	4.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		479520.4	3774240	3.98E-06	30YrCancer	3.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		479570.4	3774240	3.33E-06	30YrCancer	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		479620.4	3774240	2.84E-06	30YrCancer	2.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		479670.4	3774240	2.46E-06	30YrCancer	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		479720.4	3774240	2.18E-06	30YrCancer	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		479770.4	3774240	1.94E-06	30YrCancer	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		479820.4	3774240	1.76E-06	30YrCancer	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		479870.4	3774240	1.61E-06	30YrCancer	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		479920.4	3774240	1.48E-06	30YrCancer	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		479970.4	3774240	1.40E-06	30YrCancer	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

43	ALL	478170.4	3774290	2.40E-07	30YrCancer	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL	478220.4	3774290	2.57E-07	30YrCancer	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL	478270.4	3774290	2.77E-07	30YrCancer	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	478320.4	3774290	2.98E-07	30YrCancer	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	478370.4	3774290	3.23E-07	30YrCancer	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	478420.4	3774290	3.52E-07	30YrCancer	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	478470.4	3774290	3.84E-07	30YrCancer	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	478520.4	3774290	4.22E-07	30YrCancer	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	478570.4	3774290	4.66E-07	30YrCancer	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	479170.4	3774290	3.33E-06	30YrCancer	3.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	479220.4	3774290	4.14E-06	30YrCancer	4.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	479270.4	3774290	4.89E-06	30YrCancer	4.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	479320.4	3774290	5.14E-06	30YrCancer	5.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	479370.4	3774290	4.73E-06	30YrCancer	4.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	479420.4	3774290	4.01E-06	30YrCancer	4.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	479470.4	3774290	3.32E-06	30YrCancer	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	479520.4	3774290	2.78E-06	30YrCancer	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	479570.4	3774290	2.37E-06	30YrCancer	2.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	479620.4	3774290	2.05E-06	30YrCancer	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	479670.4	3774290	1.81E-06	30YrCancer	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	479720.4	3774290	1.61E-06	30YrCancer	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	479770.4	3774290	1.45E-06	30YrCancer	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	479820.4	3774290	1.32E-06	30YrCancer	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	479870.4	3774290	1.21E-06	30YrCancer	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	479920.4	3774290	1.11E-06	30YrCancer	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	479970.4	3774290	1.07E-06	30YrCancer	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	478170.4	3774340	2.33E-07	30YrCancer	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	478220.4	3774340	2.49E-07	30YrCancer	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	478270.4	3774340	2.68E-07	30YrCancer	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	478320.4	3774340	2.89E-07	30YrCancer	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	478370.4	3774340	3.12E-07	30YrCancer	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	478420.4	3774340	3.39E-07	30YrCancer	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	478470.4	3774340	3.69E-07	30YrCancer	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	478520.4	3774340	4.05E-07	30YrCancer	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	478570.4	3774340	4.45E-07	30YrCancer	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	479170.4	3774340	2.50E-06	30YrCancer	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	479220.4	3774340	2.90E-06	30YrCancer	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	479270.4	3774340	3.21E-06	30YrCancer	3.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	479320.4	3774340	3.31E-06	30YrCancer	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	479370.4	3774340	3.15E-06	30YrCancer	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	479420.4	3774340	2.83E-06	30YrCancer	2.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	479470.4	3774340	2.46E-06	30YrCancer	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	479520.4	3774340	2.12E-06	30YrCancer	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	479570.4	3774340	1.84E-06	30YrCancer	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

87	ALL	479620.4	3774340	1.61E-06	30YrCancer	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	479670.4	3774340	1.43E-06	30YrCancer	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	479720.4	3774340	1.29E-06	30YrCancer	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	479770.4	3774340	1.17E-06	30YrCancer	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	479820.4	3774340	1.07E-06	30YrCancer	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	479870.4	3774340	9.62E-07	30YrCancer	9.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	479920.4	3774340	8.84E-07	30YrCancer	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	479970.4	3774340	8.30E-07	30YrCancer	8.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	478170.4	3774390	2.26E-07	30YrCancer	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	478220.4	3774390	2.42E-07	30YrCancer	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	478270.4	3774390	2.60E-07	30YrCancer	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	478320.4	3774390	2.79E-07	30YrCancer	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	478370.4	3774390	3.01E-07	30YrCancer	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	478420.4	3774390	3.26E-07	30YrCancer	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	478470.4	3774390	3.55E-07	30YrCancer	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	478520.4	3774390	3.87E-07	30YrCancer	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	478570.4	3774390	4.24E-07	30YrCancer	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	479170.4	3774390	1.93E-06	30YrCancer	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	479220.4	3774390	2.15E-06	30YrCancer	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	479270.4	3774390	2.30E-06	30YrCancer	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	479320.4	3774390	2.35E-06	30YrCancer	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	479370.4	3774390	2.27E-06	30YrCancer	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	479420.4	3774390	2.11E-06	30YrCancer	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	479470.4	3774390	1.90E-06	30YrCancer	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	479520.4	3774390	1.69E-06	30YrCancer	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	479570.4	3774390	1.50E-06	30YrCancer	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	479620.4	3774390	1.33E-06	30YrCancer	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	479670.4	3774390	1.19E-06	30YrCancer	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	479720.4	3774390	1.07E-06	30YrCancer	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	479770.4	3774390	9.78E-07	30YrCancer	9.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	479820.4	3774390	8.68E-07	30YrCancer	8.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	479870.4	3774390	7.59E-07	30YrCancer	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	479920.4	3774390	7.16E-07	30YrCancer	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	479970.4	3774390	6.68E-07	30YrCancer	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	478170.4	3774440	2.20E-07	30YrCancer	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	478220.4	3774440	2.35E-07	30YrCancer	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	478270.4	3774440	2.51E-07	30YrCancer	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	478320.4	3774440	2.69E-07	30YrCancer	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	478370.4	3774440	2.90E-07	30YrCancer	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	478420.4	3774440	3.13E-07	30YrCancer	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	478470.4	3774440	3.40E-07	30YrCancer	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	478520.4	3774440	3.70E-07	30YrCancer	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	478570.4	3774440	4.04E-07	30YrCancer	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	478620.4	3774440	4.43E-07	30YrCancer	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

131	ALL	478670.4	3774440	4.88E-07	30YrCancer	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	478720.4	3774440	5.40E-07	30YrCancer	5.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	478770.4	3774440	6.00E-07	30YrCancer	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	478820.4	3774440	6.73E-07	30YrCancer	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	479320.4	3774440	1.77E-06	30YrCancer	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	479370.4	3774440	1.73E-06	30YrCancer	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	479420.4	3774440	1.64E-06	30YrCancer	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	479470.4	3774440	1.51E-06	30YrCancer	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	479520.4	3774440	1.38E-06	30YrCancer	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	479570.4	3774440	1.24E-06	30YrCancer	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	479620.4	3774440	1.12E-06	30YrCancer	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	479670.4	3774440	1.01E-06	30YrCancer	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	479720.4	3774440	9.22E-07	30YrCancer	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	479770.4	3774440	8.44E-07	30YrCancer	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	479820.4	3774440	7.28E-07	30YrCancer	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	479870.4	3774440	6.41E-07	30YrCancer	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	479920.4	3774440	5.91E-07	30YrCancer	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	479970.4	3774440	5.60E-07	30YrCancer	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	478170.4	3774490	2.13E-07	30YrCancer	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	478220.4	3774490	2.28E-07	30YrCancer	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	478270.4	3774490	2.43E-07	30YrCancer	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	478320.4	3774490	2.60E-07	30YrCancer	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	478370.4	3774490	2.80E-07	30YrCancer	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	478420.4	3774490	3.01E-07	30YrCancer	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	478470.4	3774490	3.26E-07	30YrCancer	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	478520.4	3774490	3.53E-07	30YrCancer	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	478570.4	3774490	3.84E-07	30YrCancer	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	478620.4	3774490	4.20E-07	30YrCancer	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	478670.4	3774490	4.59E-07	30YrCancer	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	478720.4	3774490	5.05E-07	30YrCancer	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	478749.3	3774488	5.36E-07	30YrCancer	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	478820.4	3774490	6.18E-07	30YrCancer	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	479370.4	3774490	1.36E-06	30YrCancer	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	479420.4	3774490	1.31E-06	30YrCancer	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	479470.4	3774490	1.23E-06	30YrCancer	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	479520.4	3774490	1.14E-06	30YrCancer	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	479570.4	3774490	1.05E-06	30YrCancer	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	479620.4	3774490	9.63E-07	30YrCancer	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	479670.4	3774490	8.80E-07	30YrCancer	8.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	479720.4	3774490	8.07E-07	30YrCancer	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	479770.4	3774490	7.27E-07	30YrCancer	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	479820.4	3774490	5.97E-07	30YrCancer	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	479870.4	3774490	5.54E-07	30YrCancer	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	479920.4	3774490	5.13E-07	30YrCancer	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

175	ALL	479970.4	3774490	4.86E-07	30YrCancer	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	478170.4	3774540	2.07E-07	30YrCancer	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	478220.4	3774540	2.20E-07	30YrCancer	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	478270.4	3774540	2.35E-07	30YrCancer	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	478320.4	3774540	2.51E-07	30YrCancer	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	478370.4	3774540	2.69E-07	30YrCancer	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	478420.4	3774540	2.89E-07	30YrCancer	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	478470.4	3774540	3.11E-07	30YrCancer	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	478520.4	3774540	3.36E-07	30YrCancer	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	478570.4	3774540	3.64E-07	30YrCancer	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	478620.4	3774540	3.96E-07	30YrCancer	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	478670.4	3774540	4.31E-07	30YrCancer	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	478720.4	3774540	4.71E-07	30YrCancer	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	478764.9	3774551	5.02E-07	30YrCancer	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	478807.5	3774552	5.42E-07	30YrCancer	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	479370.4	3774540	1.11E-06	30YrCancer	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	479420.4	3774540	1.08E-06	30YrCancer	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	479470.4	3774540	1.03E-06	30YrCancer	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	479520.4	3774540	9.65E-07	30YrCancer	9.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	479570.4	3774540	8.99E-07	30YrCancer	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	479620.4	3774540	8.34E-07	30YrCancer	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	479670.4	3774540	7.71E-07	30YrCancer	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	479720.4	3774540	7.14E-07	30YrCancer	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	479770.4	3774540	6.21E-07	30YrCancer	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	479820.4	3774540	5.30E-07	30YrCancer	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	479870.4	3774540	4.92E-07	30YrCancer	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	479920.4	3774540	4.56E-07	30YrCancer	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	479970.4	3774540	4.31E-07	30YrCancer	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	478170.4	3774590	2.01E-07	30YrCancer	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	478220.4	3774590	2.13E-07	30YrCancer	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	478270.4	3774590	2.27E-07	30YrCancer	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	478320.4	3774590	2.42E-07	30YrCancer	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	478370.4	3774590	2.59E-07	30YrCancer	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	478420.4	3774590	2.77E-07	30YrCancer	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	478470.4	3774590	2.98E-07	30YrCancer	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	478520.4	3774590	3.20E-07	30YrCancer	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	478570.4	3774590	3.46E-07	30YrCancer	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	478620.4	3774590	3.74E-07	30YrCancer	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	478670.4	3774590	4.05E-07	30YrCancer	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	478720.4	3774590	4.39E-07	30YrCancer	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	478776.3	3774603	4.73E-07	30YrCancer	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	478804.3	3774604	4.93E-07	30YrCancer	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	479370.4	3774590	9.25E-07	30YrCancer	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	479420.4	3774590	9.01E-07	30YrCancer	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

219	ALL	479470.4	3774590	8.67E-07	30YrCancer	8.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	479520.4	3774590	8.25E-07	30YrCancer	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	479570.4	3774590	7.78E-07	30YrCancer	7.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	479620.4	3774590	7.30E-07	30YrCancer	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	479670.4	3774590	6.81E-07	30YrCancer	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	479720.4	3774590	6.15E-07	30YrCancer	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	479770.4	3774590	5.05E-07	30YrCancer	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	479820.4	3774590	4.75E-07	30YrCancer	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	479870.4	3774590	4.42E-07	30YrCancer	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	479920.4	3774590	4.11E-07	30YrCancer	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	479970.4	3774590	3.83E-07	30YrCancer	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	478170.4	3774640	1.95E-07	30YrCancer	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	478220.4	3774640	2.06E-07	30YrCancer	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	478270.4	3774640	2.19E-07	30YrCancer	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	478320.4	3774640	2.33E-07	30YrCancer	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	478370.4	3774640	2.49E-07	30YrCancer	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	478420.4	3774640	2.65E-07	30YrCancer	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	478470.4	3774640	2.84E-07	30YrCancer	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	478520.4	3774640	3.05E-07	30YrCancer	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	478570.4	3774640	3.27E-07	30YrCancer	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	478620.4	3774640	3.52E-07	30YrCancer	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	478670.4	3774640	3.79E-07	30YrCancer	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	478720.4	3774640	4.09E-07	30YrCancer	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	478770.4	3774640	4.41E-07	30YrCancer	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	478820.4	3774640	4.76E-07	30YrCancer	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	478870.4	3774640	5.14E-07	30YrCancer	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	479370.4	3774640	7.85E-07	30YrCancer	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	479420.4	3774640	7.69E-07	30YrCancer	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	479470.4	3774640	7.45E-07	30YrCancer	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	479520.4	3774640	7.14E-07	30YrCancer	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	479570.4	3774640	6.79E-07	30YrCancer	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	479620.4	3774640	6.42E-07	30YrCancer	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	479670.4	3774640	6.05E-07	30YrCancer	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	479720.4	3774640	5.41E-07	30YrCancer	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	479770.4	3774640	4.54E-07	30YrCancer	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	479820.4	3774640	4.29E-07	30YrCancer	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	479870.4	3774640	3.94E-07	30YrCancer	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	479920.4	3774640	3.73E-07	30YrCancer	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	479970.4	3774640	3.48E-07	30YrCancer	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	478170.4	3774690	1.89E-07	30YrCancer	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	478220.4	3774690	1.99E-07	30YrCancer	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	478270.4	3774690	2.11E-07	30YrCancer	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	478320.4	3774690	2.24E-07	30YrCancer	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	478370.4	3774690	2.38E-07	30YrCancer	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

263	ALL	478420.4	3774690	2.54E-07	30YrCancer	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	478470.4	3774690	2.71E-07	30YrCancer	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	478520.4	3774690	2.89E-07	30YrCancer	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	478570.4	3774690	3.10E-07	30YrCancer	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	478620.4	3774690	3.31E-07	30YrCancer	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	478670.4	3774690	3.55E-07	30YrCancer	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	478720.4	3774690	3.81E-07	30YrCancer	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	478770.4	3774690	4.08E-07	30YrCancer	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	478820.4	3774690	4.38E-07	30YrCancer	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	478868.7	3774701	4.58E-07	30YrCancer	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	478861.3	3774671	4.79E-07	30YrCancer	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	479026.6	3774722	5.27E-07	30YrCancer	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	479059.1	3774697	5.79E-07	30YrCancer	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	479113.7	3774695	6.11E-07	30YrCancer	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	479370.4	3774690	6.76E-07	30YrCancer	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	479420.4	3774690	6.64E-07	30YrCancer	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	479470.4	3774690	6.47E-07	30YrCancer	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	479520.4	3774690	6.24E-07	30YrCancer	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	479570.4	3774690	5.98E-07	30YrCancer	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	479620.4	3774690	5.70E-07	30YrCancer	5.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	479670.4	3774690	5.41E-07	30YrCancer	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	479720.4	3774690	4.77E-07	30YrCancer	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	479770.4	3774690	4.10E-07	30YrCancer	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	479820.4	3774690	3.81E-07	30YrCancer	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	479870.4	3774690	3.59E-07	30YrCancer	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	479920.4	3774690	3.41E-07	30YrCancer	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	479970.4	3774690	3.18E-07	30YrCancer	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	478170.4	3774740	1.82E-07	30YrCancer	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	478220.4	3774740	1.93E-07	30YrCancer	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	478270.4	3774740	2.04E-07	30YrCancer	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	478320.4	3774740	2.16E-07	30YrCancer	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	478370.4	3774740	2.29E-07	30YrCancer	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	478420.4	3774740	2.43E-07	30YrCancer	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	478470.4	3774740	2.58E-07	30YrCancer	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	478520.4	3774740	2.75E-07	30YrCancer	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	478570.4	3774740	2.93E-07	30YrCancer	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	478620.4	3774740	3.12E-07	30YrCancer	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	478670.4	3774740	3.33E-07	30YrCancer	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	478720.4	3774740	3.54E-07	30YrCancer	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	478770.4	3774740	3.78E-07	30YrCancer	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	478820.4	3774740	4.02E-07	30YrCancer	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	478863	3774730	4.31E-07	30YrCancer	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	479020.4	3774740	5.04E-07	30YrCancer	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	479070.4	3774740	5.28E-07	30YrCancer	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

307	ALL	479120.4	3774740	5.49E-07	30YrCancer	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	479370.4	3774740	5.89E-07	30YrCancer	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	479420.4	3774740	5.81E-07	30YrCancer	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	479470.4	3774740	5.68E-07	30YrCancer	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	479520.4	3774740	5.51E-07	30YrCancer	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	479570.4	3774740	5.31E-07	30YrCancer	5.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	479620.4	3774740	5.09E-07	30YrCancer	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	479670.4	3774740	4.87E-07	30YrCancer	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	479720.4	3774740	3.89E-07	30YrCancer	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	479770.4	3774740	3.71E-07	30YrCancer	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	479820.4	3774740	3.44E-07	30YrCancer	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	479870.4	3774740	3.28E-07	30YrCancer	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	479920.4	3774740	3.13E-07	30YrCancer	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	479970.4	3774740	2.91E-07	30YrCancer	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	478170.4	3774790	1.76E-07	30YrCancer	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	478220.4	3774790	1.86E-07	30YrCancer	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	478270.4	3774790	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	478320.4	3774790	2.07E-07	30YrCancer	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	478370.4	3774790	2.19E-07	30YrCancer	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	478420.4	3774790	2.32E-07	30YrCancer	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	478470.4	3774790	2.46E-07	30YrCancer	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	478520.4	3774790	2.61E-07	30YrCancer	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	478570.4	3774790	2.77E-07	30YrCancer	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	478620.4	3774790	2.93E-07	30YrCancer	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	478670.4	3774790	3.11E-07	30YrCancer	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	478720.4	3774790	3.30E-07	30YrCancer	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	478770.4	3774790	3.50E-07	30YrCancer	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	478820.4	3774790	3.70E-07	30YrCancer	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	478870.4	3774790	3.92E-07	30YrCancer	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	478920.4	3774790	4.12E-07	30YrCancer	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	478970.4	3774790	4.33E-07	30YrCancer	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	479020.4	3774790	4.53E-07	30YrCancer	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	479070.4	3774790	4.72E-07	30YrCancer	4.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	479120.4	3774790	4.88E-07	30YrCancer	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	479370.4	3774790	5.19E-07	30YrCancer	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	479420.4	3774790	5.13E-07	30YrCancer	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	479470.4	3774790	5.03E-07	30YrCancer	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	479520.4	3774790	4.91E-07	30YrCancer	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	479570.4	3774790	4.75E-07	30YrCancer	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	479620.4	3774790	4.58E-07	30YrCancer	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	479670.4	3774790	4.40E-07	30YrCancer	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	479720.4	3774790	3.53E-07	30YrCancer	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	479770.4	3774790	3.38E-07	30YrCancer	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	479820.4	3774790	3.14E-07	30YrCancer	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

351	ALL	479870.4	3774790	3.01E-07	30YrCancer	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	479920.4	3774790	2.82E-07	30YrCancer	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	479970.4	3774790	2.69E-07	30YrCancer	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	477970.4	3774840	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	478020.4	3774840	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	478070.4	3774840	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	478120.4	3774840	1.62E-07	30YrCancer	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	478170.4	3774840	1.71E-07	30YrCancer	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	478220.4	3774840	1.79E-07	30YrCancer	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	478270.4	3774840	1.89E-07	30YrCancer	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	478320.4	3774840	1.99E-07	30YrCancer	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	478370.4	3774840	2.10E-07	30YrCancer	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	478420.4	3774840	2.22E-07	30YrCancer	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	478470.4	3774840	2.34E-07	30YrCancer	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	478520.4	3774840	2.47E-07	30YrCancer	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	478570.4	3774840	2.61E-07	30YrCancer	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	478620.4	3774840	2.76E-07	30YrCancer	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	478670.4	3774840	2.92E-07	30YrCancer	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	478720.4	3774840	3.08E-07	30YrCancer	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	478770.4	3774840	3.25E-07	30YrCancer	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	478820.4	3774840	3.42E-07	30YrCancer	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	478870.4	3774840	3.59E-07	30YrCancer	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	478920.4	3774840	3.77E-07	30YrCancer	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	478970.4	3774840	3.93E-07	30YrCancer	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	479020.4	3774840	4.10E-07	30YrCancer	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	479070.4	3774840	4.25E-07	30YrCancer	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	479120.4	3774840	4.38E-07	30YrCancer	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	479170.4	3774840	4.49E-07	30YrCancer	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	479220.4	3774840	4.57E-07	30YrCancer	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	479270.4	3774840	4.62E-07	30YrCancer	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	479320.4	3774840	4.64E-07	30YrCancer	4.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	479370.4	3774840	4.62E-07	30YrCancer	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	479420.4	3774840	4.57E-07	30YrCancer	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	479470.4	3774840	4.50E-07	30YrCancer	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	479520.4	3774840	4.40E-07	30YrCancer	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	479570.4	3774840	4.28E-07	30YrCancer	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	479620.4	3774840	4.14E-07	30YrCancer	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	479670.4	3774840	3.66E-07	30YrCancer	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	479720.4	3774840	3.21E-07	30YrCancer	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	479770.4	3774840	3.09E-07	30YrCancer	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	479820.4	3774840	2.89E-07	30YrCancer	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	479870.4	3774840	2.78E-07	30YrCancer	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	479920.4	3774840	2.60E-07	30YrCancer	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	479970.4	3774840	2.50E-07	30YrCancer	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

395	ALL	477970.4	3774890	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	478020.4	3774890	1.43E-07	30YrCancer	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	478070.4	3774890	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	478120.4	3774890	1.57E-07	30YrCancer	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	478170.4	3774890	1.65E-07	30YrCancer	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	478220.4	3774890	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	478270.4	3774890	1.82E-07	30YrCancer	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	478320.4	3774890	1.91E-07	30YrCancer	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	478370.4	3774890	2.01E-07	30YrCancer	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	478420.4	3774890	2.11E-07	30YrCancer	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	478470.4	3774890	2.22E-07	30YrCancer	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	478520.4	3774890	2.34E-07	30YrCancer	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	478570.4	3774890	2.47E-07	30YrCancer	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	478620.4	3774890	2.60E-07	30YrCancer	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	478670.4	3774890	2.73E-07	30YrCancer	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	478720.4	3774890	2.87E-07	30YrCancer	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	478770.4	3774890	3.02E-07	30YrCancer	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	478820.4	3774890	3.16E-07	30YrCancer	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	478870.4	3774890	3.31E-07	30YrCancer	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	478920.4	3774890	3.45E-07	30YrCancer	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	478970.4	3774890	3.59E-07	30YrCancer	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	479020.4	3774890	3.72E-07	30YrCancer	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	479070.4	3774890	3.84E-07	30YrCancer	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	479120.4	3774890	3.95E-07	30YrCancer	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	479170.4	3774890	4.03E-07	30YrCancer	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	479220.4	3774890	4.10E-07	30YrCancer	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	479270.4	3774890	4.14E-07	30YrCancer	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	479320.4	3774890	4.15E-07	30YrCancer	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	479370.4	3774890	4.14E-07	30YrCancer	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	479420.4	3774890	4.11E-07	30YrCancer	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	479470.4	3774890	4.05E-07	30YrCancer	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	479520.4	3774890	3.97E-07	30YrCancer	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	479570.4	3774890	3.87E-07	30YrCancer	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	479620.4	3774890	3.76E-07	30YrCancer	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	479670.4	3774890	3.33E-07	30YrCancer	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	479720.4	3774890	2.94E-07	30YrCancer	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	479770.4	3774890	2.84E-07	30YrCancer	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	479820.4	3774890	2.66E-07	30YrCancer	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	479870.4	3774890	2.57E-07	30YrCancer	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	479920.4	3774890	2.41E-07	30YrCancer	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	479970.4	3774890	2.32E-07	30YrCancer	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	477970.4	3774940	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	478020.4	3774940	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	478070.4	3774940	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

439	ALL	478120.4	3774940	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	478170.4	3774940	1.59E-07	30YrCancer	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	478220.4	3774940	1.67E-07	30YrCancer	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	478270.4	3774940	1.75E-07	30YrCancer	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	478320.4	3774940	1.83E-07	30YrCancer	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	478370.4	3774940	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	478420.4	3774940	2.02E-07	30YrCancer	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	478470.4	3774940	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	478520.4	3774940	2.22E-07	30YrCancer	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	478570.4	3774940	2.33E-07	30YrCancer	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	478620.4	3774940	2.45E-07	30YrCancer	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	478670.4	3774940	2.56E-07	30YrCancer	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	478720.4	3774940	2.68E-07	30YrCancer	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	478770.4	3774940	2.81E-07	30YrCancer	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	478820.4	3774940	2.93E-07	30YrCancer	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	478870.4	3774940	3.06E-07	30YrCancer	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	478920.4	3774940	3.17E-07	30YrCancer	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	478970.4	3774940	3.29E-07	30YrCancer	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	479020.4	3774940	3.40E-07	30YrCancer	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	479070.4	3774940	3.50E-07	30YrCancer	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	479120.4	3774940	3.58E-07	30YrCancer	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	479170.4	3774940	3.65E-07	30YrCancer	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	479220.4	3774940	3.70E-07	30YrCancer	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	479270.4	3774940	3.74E-07	30YrCancer	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	479320.4	3774940	3.75E-07	30YrCancer	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	479370.4	3774940	3.74E-07	30YrCancer	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	479420.4	3774940	3.71E-07	30YrCancer	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	479470.4	3774940	3.67E-07	30YrCancer	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	479520.4	3774940	3.60E-07	30YrCancer	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	479570.4	3774940	3.52E-07	30YrCancer	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	479620.4	3774940	3.44E-07	30YrCancer	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	479670.4	3774940	3.05E-07	30YrCancer	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	479720.4	3774940	2.70E-07	30YrCancer	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	479770.4	3774940	2.55E-07	30YrCancer	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	479820.4	3774940	2.46E-07	30YrCancer	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	479870.4	3774940	2.38E-07	30YrCancer	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	479920.4	3774940	2.23E-07	30YrCancer	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	479970.4	3774940	2.16E-07	30YrCancer	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	477970.4	3774990	1.29E-07	30YrCancer	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	478020.4	3774990	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	478070.4	3774990	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	478120.4	3774990	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	478170.4	3774990	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	478220.4	3774990	1.60E-07	30YrCancer	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

483	ALL	478270.4	3774990	1.68E-07	30YrCancer	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	478320.4	3774990	1.76E-07	30YrCancer	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	478370.4	3774990	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	478420.4	3774990	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	478470.4	3774990	2.01E-07	30YrCancer	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	478520.4	3774990	2.11E-07	30YrCancer	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	478570.4	3774990	2.20E-07	30YrCancer	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	478620.4	3774990	2.30E-07	30YrCancer	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	478670.4	3774990	2.41E-07	30YrCancer	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	478720.4	3774990	2.51E-07	30YrCancer	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	478770.4	3774990	2.62E-07	30YrCancer	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	478820.4	3774990	2.72E-07	30YrCancer	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	478870.4	3774990	2.83E-07	30YrCancer	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	478920.4	3774990	2.93E-07	30YrCancer	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	478970.4	3774990	3.03E-07	30YrCancer	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	479020.4	3774990	3.12E-07	30YrCancer	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	479070.4	3774990	3.20E-07	30YrCancer	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	479120.4	3774990	3.27E-07	30YrCancer	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	479170.4	3774990	3.32E-07	30YrCancer	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	479220.4	3774990	3.37E-07	30YrCancer	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	479270.4	3774990	3.39E-07	30YrCancer	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	479320.4	3774990	3.40E-07	30YrCancer	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	479370.4	3774990	3.40E-07	30YrCancer	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	479420.4	3774990	3.38E-07	30YrCancer	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	479470.4	3774990	3.34E-07	30YrCancer	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	479520.4	3774990	3.29E-07	30YrCancer	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	479570.4	3774990	3.22E-07	30YrCancer	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	479620.4	3774990	3.15E-07	30YrCancer	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	479670.4	3774990	2.81E-07	30YrCancer	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	479720.4	3774990	2.49E-07	30YrCancer	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	479770.4	3774990	2.38E-07	30YrCancer	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	479820.4	3774990	2.28E-07	30YrCancer	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	479870.4	3774990	2.21E-07	30YrCancer	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	479920.4	3774990	2.08E-07	30YrCancer	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	479970.4	3774990	2.02E-07	30YrCancer	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	477970.4	3775040	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	478020.4	3775040	1.31E-07	30YrCancer	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	478070.4	3775040	1.36E-07	30YrCancer	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	478120.4	3775040	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	478170.4	3775040	1.48E-07	30YrCancer	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	478220.4	3775040	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	478270.4	3775040	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	478320.4	3775040	1.68E-07	30YrCancer	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	478370.4	3775040	1.76E-07	30YrCancer	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

527	ALL	478420.4	3775040	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	478470.4	3775040	1.91E-07	30YrCancer	1.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	478520.4	3775040	2.00E-07	30YrCancer	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	478570.4	3775040	2.08E-07	30YrCancer	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	478620.4	3775040	2.17E-07	30YrCancer	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	478670.4	3775040	2.26E-07	30YrCancer	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	478720.4	3775040	2.35E-07	30YrCancer	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	478770.4	3775040	2.45E-07	30YrCancer	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	478820.4	3775040	2.54E-07	30YrCancer	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	478870.4	3775040	2.63E-07	30YrCancer	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	478920.4	3775040	2.71E-07	30YrCancer	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	478970.4	3775040	2.79E-07	30YrCancer	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	479020.4	3775040	2.87E-07	30YrCancer	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	479070.4	3775040	2.94E-07	30YrCancer	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	479120.4	3775040	2.99E-07	30YrCancer	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	479170.4	3775040	3.04E-07	30YrCancer	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	479220.4	3775040	3.08E-07	30YrCancer	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	479270.4	3775040	3.10E-07	30YrCancer	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	479320.4	3775040	3.11E-07	30YrCancer	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	479370.4	3775040	3.10E-07	30YrCancer	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	479420.4	3775040	3.09E-07	30YrCancer	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	479470.4	3775040	3.06E-07	30YrCancer	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	479520.4	3775040	3.01E-07	30YrCancer	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	479570.4	3775040	2.96E-07	30YrCancer	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	479620.4	3775040	2.90E-07	30YrCancer	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	479670.4	3775040	2.63E-07	30YrCancer	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	479720.4	3775040	2.30E-07	30YrCancer	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	479770.4	3775040	2.23E-07	30YrCancer	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	479820.4	3775040	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	479870.4	3775040	2.06E-07	30YrCancer	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	479920.4	3775040	1.94E-07	30YrCancer	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	479970.4	3775040	1.89E-07	30YrCancer	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	477970.4	3775090	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	478020.4	3775090	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	478070.4	3775090	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	478120.4	3775090	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	478170.4	3775090	1.43E-07	30YrCancer	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	478220.4	3775090	1.49E-07	30YrCancer	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	478270.4	3775090	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	478320.4	3775090	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	478370.4	3775090	1.68E-07	30YrCancer	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	478420.4	3775090	1.75E-07	30YrCancer	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	478470.4	3775090	1.82E-07	30YrCancer	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	478520.4	3775090	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

571	ALL	478570.4	3775090	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	478620.4	3775090	2.05E-07	30YrCancer	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	478670.4	3775090	2.13E-07	30YrCancer	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	478720.4	3775090	2.21E-07	30YrCancer	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	478770.4	3775090	2.29E-07	30YrCancer	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	478820.4	3775090	2.37E-07	30YrCancer	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	478870.4	3775090	2.45E-07	30YrCancer	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	478920.4	3775090	2.52E-07	30YrCancer	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	478970.4	3775090	2.59E-07	30YrCancer	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	479020.4	3775090	2.65E-07	30YrCancer	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	479070.4	3775090	2.71E-07	30YrCancer	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	479120.4	3775090	2.76E-07	30YrCancer	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	479170.4	3775090	2.80E-07	30YrCancer	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	479220.4	3775090	2.83E-07	30YrCancer	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	479270.4	3775090	2.84E-07	30YrCancer	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	479320.4	3775090	2.85E-07	30YrCancer	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	479370.4	3775090	2.85E-07	30YrCancer	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	479420.4	3775090	2.83E-07	30YrCancer	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	479470.4	3775090	2.81E-07	30YrCancer	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	479520.4	3775090	2.78E-07	30YrCancer	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	479570.4	3775090	2.73E-07	30YrCancer	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	479620.4	3775090	2.68E-07	30YrCancer	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	479670.4	3775090	2.63E-07	30YrCancer	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	479720.4	3775090	2.14E-07	30YrCancer	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	479770.4	3775090	2.02E-07	30YrCancer	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	479820.4	3775090	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	479870.4	3775090	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	479920.4	3775090	1.82E-07	30YrCancer	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	479970.4	3775090	1.77E-07	30YrCancer	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	477970.4	3775140	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	478020.4	3775140	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	478070.4	3775140	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	478120.4	3775140	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	478170.4	3775140	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	478220.4	3775140	1.43E-07	30YrCancer	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	478270.4	3775140	1.49E-07	30YrCancer	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	478320.4	3775140	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	478370.4	3775140	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	478420.4	3775140	1.67E-07	30YrCancer	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	478470.4	3775140	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	478520.4	3775140	1.80E-07	30YrCancer	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	478570.4	3775140	1.87E-07	30YrCancer	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	478620.4	3775140	1.94E-07	30YrCancer	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	478670.4	3775140	2.01E-07	30YrCancer	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

615	ALL	478720.4	3775140	2.08E-07	30YrCancer	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	478770.4	3775140	2.15E-07	30YrCancer	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	478820.4	3775140	2.22E-07	30YrCancer	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	478870.4	3775140	2.28E-07	30YrCancer	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	478920.4	3775140	2.35E-07	30YrCancer	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	478970.4	3775140	2.40E-07	30YrCancer	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	479020.4	3775140	2.46E-07	30YrCancer	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	479070.4	3775140	2.51E-07	30YrCancer	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	479120.4	3775140	2.55E-07	30YrCancer	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	479170.4	3775140	2.58E-07	30YrCancer	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	479220.4	3775140	2.61E-07	30YrCancer	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	479270.4	3775140	2.62E-07	30YrCancer	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	479320.4	3775140	2.63E-07	30YrCancer	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	479370.4	3775140	2.63E-07	30YrCancer	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	479420.4	3775140	2.61E-07	30YrCancer	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	479470.4	3775140	2.59E-07	30YrCancer	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	479520.4	3775140	2.57E-07	30YrCancer	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	479570.4	3775140	2.53E-07	30YrCancer	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	479620.4	3775140	2.49E-07	30YrCancer	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	479670.4	3775140	2.44E-07	30YrCancer	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	479720.4	3775140	1.99E-07	30YrCancer	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	479770.4	3775140	1.88E-07	30YrCancer	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	479820.4	3775140	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	479870.4	3775140	1.78E-07	30YrCancer	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	479920.4	3775140	1.70E-07	30YrCancer	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	479970.4	3775140	1.65E-07	30YrCancer	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	477970.4	3775190	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	478020.4	3775190	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	478070.4	3775190	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	478120.4	3775190	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	478170.4	3775190	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	478220.4	3775190	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	478270.4	3775190	1.43E-07	30YrCancer	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	478320.4	3775190	1.48E-07	30YrCancer	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	478370.4	3775190	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	478420.4	3775190	1.60E-07	30YrCancer	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	478470.4	3775190	1.65E-07	30YrCancer	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	478520.4	3775190	1.71E-07	30YrCancer	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	478570.4	3775190	1.77E-07	30YrCancer	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	478620.4	3775190	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	478670.4	3775190	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	478720.4	3775190	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	478770.4	3775190	2.02E-07	30YrCancer	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	478820.4	3775190	2.08E-07	30YrCancer	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

659	ALL	478870.4	3775190	2.13E-07	30YrCancer	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	478920.4	3775190	2.19E-07	30YrCancer	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	478970.4	3775190	2.24E-07	30YrCancer	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	479020.4	3775190	2.29E-07	30YrCancer	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	479070.4	3775190	2.33E-07	30YrCancer	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	479120.4	3775190	2.36E-07	30YrCancer	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	479170.4	3775190	2.39E-07	30YrCancer	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	479220.4	3775190	2.41E-07	30YrCancer	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	479270.4	3775190	2.43E-07	30YrCancer	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	479320.4	3775190	2.43E-07	30YrCancer	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	479370.4	3775190	2.43E-07	30YrCancer	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	479420.4	3775190	2.42E-07	30YrCancer	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	479470.4	3775190	2.40E-07	30YrCancer	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	479520.4	3775190	2.38E-07	30YrCancer	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	479570.4	3775190	2.35E-07	30YrCancer	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	479620.4	3775190	2.31E-07	30YrCancer	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	479670.4	3775190	2.27E-07	30YrCancer	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	479720.4	3775190	1.86E-07	30YrCancer	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	479770.4	3775190	1.76E-07	30YrCancer	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	479820.4	3775190	1.72E-07	30YrCancer	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	479870.4	3775190	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	479920.4	3775190	1.60E-07	30YrCancer	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	479970.4	3775190	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	477970.4	3775240	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	478020.4	3775240	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	478070.4	3775240	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	478120.4	3775240	1.24E-07	30YrCancer	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	478170.4	3775240	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	478220.4	3775240	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	478270.4	3775240	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	478320.4	3775240	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	478370.4	3775240	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	478420.4	3775240	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	478470.4	3775240	1.58E-07	30YrCancer	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	478520.4	3775240	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	478570.4	3775240	1.68E-07	30YrCancer	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	478620.4	3775240	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	478670.4	3775240	1.79E-07	30YrCancer	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	478720.4	3775240	1.85E-07	30YrCancer	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	478770.4	3775240	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	478820.4	3775240	1.95E-07	30YrCancer	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	478870.4	3775240	2.00E-07	30YrCancer	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	478920.4	3775240	2.05E-07	30YrCancer	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	478970.4	3775240	2.09E-07	30YrCancer	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

703	ALL	479020.4	3775240	2.13E-07	30YrCancer	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	479070.4	3775240	2.17E-07	30YrCancer	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	479120.4	3775240	2.20E-07	30YrCancer	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	479170.4	3775240	2.22E-07	30YrCancer	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	479220.4	3775240	2.24E-07	30YrCancer	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	479270.4	3775240	2.25E-07	30YrCancer	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	479320.4	3775240	2.26E-07	30YrCancer	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	479370.4	3775240	2.26E-07	30YrCancer	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	479420.4	3775240	2.25E-07	30YrCancer	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	479470.4	3775240	2.23E-07	30YrCancer	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	479520.4	3775240	2.21E-07	30YrCancer	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	479570.4	3775240	2.19E-07	30YrCancer	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	479620.4	3775240	2.16E-07	30YrCancer	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	479670.4	3775240	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	479720.4	3775240	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	479770.4	3775240	1.65E-07	30YrCancer	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	479820.4	3775240	1.62E-07	30YrCancer	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	479870.4	3775240	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	479920.4	3775240	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	479970.4	3775240	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	477970.4	3775290	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	478020.4	3775290	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	478070.4	3775290	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	478120.4	3775290	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	478170.4	3775290	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	478220.4	3775290	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	478270.4	3775290	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	478320.4	3775290	1.36E-07	30YrCancer	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	478370.4	3775290	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	478420.4	3775290	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	478470.4	3775290	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	478520.4	3775290	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	478570.4	3775290	1.60E-07	30YrCancer	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	478620.4	3775290	1.65E-07	30YrCancer	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	478670.4	3775290	1.70E-07	30YrCancer	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	478720.4	3775290	1.75E-07	30YrCancer	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	478770.4	3775290	1.79E-07	30YrCancer	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	478820.4	3775290	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	478870.4	3775290	1.88E-07	30YrCancer	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	478920.4	3775290	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	478970.4	3775290	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	479020.4	3775290	2.00E-07	30YrCancer	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	479070.4	3775290	2.03E-07	30YrCancer	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	479120.4	3775290	2.05E-07	30YrCancer	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

747	ALL	479170.4	3775290	2.07E-07	30YrCancer	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	479220.4	3775290	2.09E-07	30YrCancer	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	479270.4	3775290	2.10E-07	30YrCancer	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	479320.4	3775290	2.10E-07	30YrCancer	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	479370.4	3775290	2.10E-07	30YrCancer	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	479420.4	3775290	2.10E-07	30YrCancer	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	479470.4	3775290	2.08E-07	30YrCancer	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	479520.4	3775290	2.07E-07	30YrCancer	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	479570.4	3775290	2.04E-07	30YrCancer	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	479620.4	3775290	2.02E-07	30YrCancer	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	479670.4	3775290	1.82E-07	30YrCancer	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	479720.4	3775290	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	479770.4	3775290	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	479820.4	3775290	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	479870.4	3775290	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	479920.4	3775290	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	479970.4	3775290	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	477970.4	3775340	1.04E-07	30YrCancer	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	478020.4	3775340	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	478070.4	3775340	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	478120.4	3775340	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	478170.4	3775340	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	478220.4	3775340	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	478270.4	3775340	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	478320.4	3775340	1.31E-07	30YrCancer	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	478370.4	3775340	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	478420.4	3775340	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	478470.4	3775340	1.44E-07	30YrCancer	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	478520.4	3775340	1.48E-07	30YrCancer	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	478570.4	3775340	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	478620.4	3775340	1.57E-07	30YrCancer	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	478670.4	3775340	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	478720.4	3775340	1.65E-07	30YrCancer	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	478770.4	3775340	1.69E-07	30YrCancer	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	478820.4	3775340	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	478870.4	3775340	1.77E-07	30YrCancer	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	478920.4	3775340	1.81E-07	30YrCancer	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	478970.4	3775340	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	479020.4	3775340	1.87E-07	30YrCancer	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	479070.4	3775340	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	479120.4	3775340	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	479170.4	3775340	1.94E-07	30YrCancer	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	479220.4	3775340	1.95E-07	30YrCancer	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	479270.4	3775340	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

791	ALL	479320.4	3775340	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	479370.4	3775340	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	479420.4	3775340	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	479470.4	3775340	1.95E-07	30YrCancer	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	479520.4	3775340	1.93E-07	30YrCancer	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	479570.4	3775340	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	479620.4	3775340	1.89E-07	30YrCancer	1.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	479670.4	3775340	1.70E-07	30YrCancer	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	479720.4	3775340	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	479770.4	3775340	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	479820.4	3775340	1.43E-07	30YrCancer	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	479870.4	3775340	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	479920.4	3775340	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	479970.4	3775340	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	477970.4	3775390	1.01E-07	30YrCancer	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	478020.4	3775390	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	478070.4	3775390	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	478120.4	3775390	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	478170.4	3775390	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	478220.4	3775390	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	478270.4	3775390	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	478320.4	3775390	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	478370.4	3775390	1.29E-07	30YrCancer	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	478420.4	3775390	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	478470.4	3775390	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	478520.4	3775390	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	478570.4	3775390	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	478620.4	3775390	1.49E-07	30YrCancer	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	478670.4	3775390	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	478720.4	3775390	1.57E-07	30YrCancer	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	478770.4	3775390	1.60E-07	30YrCancer	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	478820.4	3775390	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	478870.4	3775390	1.67E-07	30YrCancer	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	478920.4	3775390	1.70E-07	30YrCancer	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	478970.4	3775390	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	479020.4	3775390	1.76E-07	30YrCancer	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	479070.4	3775390	1.78E-07	30YrCancer	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	479120.4	3775390	1.80E-07	30YrCancer	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	479170.4	3775390	1.82E-07	30YrCancer	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	479220.4	3775390	1.83E-07	30YrCancer	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	479270.4	3775390	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	479320.4	3775390	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	479370.4	3775390	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	479420.4	3775390	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

835	ALL	479470.4	3775390	1.83E-07	30YrCancer	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	479520.4	3775390	1.82E-07	30YrCancer	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	479570.4	3775390	1.80E-07	30YrCancer	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	479620.4	3775390	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	479670.4	3775390	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	479720.4	3775390	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	479770.4	3775390	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	479820.4	3775390	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	479870.4	3775390	1.29E-07	30YrCancer	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	479920.4	3775390	1.24E-07	30YrCancer	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	479970.4	3775390	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	477970.4	3775440	9.81E-08	30YrCancer	9.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	478020.4	3775440	1.01E-07	30YrCancer	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	478070.4	3775440	1.04E-07	30YrCancer	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	478120.4	3775440	1.07E-07	30YrCancer	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	478170.4	3775440	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	478220.4	3775440	1.14E-07	30YrCancer	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	478270.4	3775440	1.17E-07	30YrCancer	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	478320.4	3775440	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	478370.4	3775440	1.24E-07	30YrCancer	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	478420.4	3775440	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	478470.4	3775440	1.31E-07	30YrCancer	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	478520.4	3775440	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	478570.4	3775440	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	478620.4	3775440	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	478670.4	3775440	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	478720.4	3775440	1.49E-07	30YrCancer	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	478770.4	3775440	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	478820.4	3775440	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	478870.4	3775440	1.58E-07	30YrCancer	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	478920.4	3775440	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	478970.4	3775440	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	479020.4	3775440	1.66E-07	30YrCancer	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	479070.4	3775440	1.68E-07	30YrCancer	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	479120.4	3775440	1.69E-07	30YrCancer	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	479170.4	3775440	1.71E-07	30YrCancer	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	479220.4	3775440	1.72E-07	30YrCancer	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	479270.4	3775440	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	479320.4	3775440	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	479370.4	3775440	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	479420.4	3775440	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	479470.4	3775440	1.72E-07	30YrCancer	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	479520.4	3775440	1.71E-07	30YrCancer	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	479570.4	3775440	1.69E-07	30YrCancer	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

879	ALL	479620.4	3775440	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	479670.4	3775440	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	479720.4	3775440	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	479770.4	3775440	1.30E-07	30YrCancer	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	479820.4	3775440	1.25E-07	30YrCancer	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	479870.4	3775440	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	479920.4	3775440	1.17E-07	30YrCancer	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	479970.4	3775440	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	477970.4	3775490	9.51E-08	30YrCancer	9.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	478020.4	3775490	9.79E-08	30YrCancer	9.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	478070.4	3775490	1.01E-07	30YrCancer	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	478120.4	3775490	1.04E-07	30YrCancer	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	478170.4	3775490	1.07E-07	30YrCancer	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	478220.4	3775490	1.10E-07	30YrCancer	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	478270.4	3775490	1.13E-07	30YrCancer	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	478320.4	3775490	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	478370.4	3775490	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	478420.4	3775490	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	478470.4	3775490	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	478520.4	3775490	1.29E-07	30YrCancer	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	478570.4	3775490	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	478620.4	3775490	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	478670.4	3775490	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	478720.4	3775490	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	478770.4	3775490	1.44E-07	30YrCancer	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	478820.4	3775490	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	478870.4	3775490	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	478920.4	3775490	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	478970.4	3775490	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	479020.4	3775490	1.56E-07	30YrCancer	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	479070.4	3775490	1.58E-07	30YrCancer	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	479120.4	3775490	1.60E-07	30YrCancer	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	479170.4	3775490	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	479220.4	3775490	1.62E-07	30YrCancer	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	479270.4	3775490	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	479320.4	3775490	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	479370.4	3775490	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	479420.4	3775490	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	479470.4	3775490	1.62E-07	30YrCancer	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	479520.4	3775490	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	479570.4	3775490	1.60E-07	30YrCancer	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	479620.4	3775490	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	479670.4	3775490	1.30E-07	30YrCancer	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	479720.4	3775490	1.24E-07	30YrCancer	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

923	ALL	479770.4	3775490	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	479820.4	3775490	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	479870.4	3775490	1.14E-07	30YrCancer	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	479920.4	3775490	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	479970.4	3775490	1.09E-07	30YrCancer	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	477970.4	3775540	9.22E-08	30YrCancer	9.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	478020.4	3775540	9.48E-08	30YrCancer	9.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	478070.4	3775540	9.74E-08	30YrCancer	9.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	478120.4	3775540	1.00E-07	30YrCancer	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	478170.4	3775540	1.03E-07	30YrCancer	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	478220.4	3775540	1.06E-07	30YrCancer	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	478270.4	3775540	1.09E-07	30YrCancer	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	478320.4	3775540	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	478370.4	3775540	1.14E-07	30YrCancer	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	478420.4	3775540	1.17E-07	30YrCancer	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	478470.4	3775540	1.20E-07	30YrCancer	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	478520.4	3775540	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	478570.4	3775540	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	478620.4	3775540	1.29E-07	30YrCancer	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	478670.4	3775540	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	478720.4	3775540	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	478770.4	3775540	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	478820.4	3775540	1.40E-07	30YrCancer	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	478870.4	3775540	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	478920.4	3775540	1.44E-07	30YrCancer	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	478970.4	3775540	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	479020.4	3775540	1.48E-07	30YrCancer	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	479070.4	3775540	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	479120.4	3775540	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	479170.4	3775540	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	479220.4	3775540	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	479270.4	3775540	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	479320.4	3775540	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	479370.4	3775540	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	479420.4	3775540	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	479470.4	3775540	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	479520.4	3775540	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	479570.4	3775540	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	479620.4	3775540	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	479670.4	3775540	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	479720.4	3775540	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	479770.4	3775540	1.14E-07	30YrCancer	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	479820.4	3775540	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	479870.4	3775540	1.07E-07	30YrCancer	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

967	ALL	479920.4	3775540	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	479970.4	3775540	1.02E-07	30YrCancer	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	478861.4	3774619	5.27E-07	30YrCancer	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	478791.5	3774518	5.56E-07	30YrCancer	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	478789.7	3774444	6.23E-07	30YrCancer	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	478748.8	3774450	5.65E-07	30YrCancer	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	479103.5	3774681	6.28E-07	30YrCancer	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	479094.5	3774696	5.99E-07	30YrCancer	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	479077.3	3774697	5.89E-07	30YrCancer	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	479101.5	3774732	5.53E-07	30YrCancer	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	479782.9	3774152	2.29E-06	30YrCancer	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	479890.1	3774169	1.85E-06	30YrCancer	1.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	479890.1	3774137	1.74E-06	30YrCancer	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	479913.7	3774138	1.66E-06	30YrCancer	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	479911.2	3774168	1.77E-06	30YrCancer	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	479885.8	3774065	1.70E-06	30YrCancer	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL	480398.5	3774179	1.44E-06	30YrCancer	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL	480448.5	3774179	1.43E-06	30YrCancer	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL	480498.5	3774179	1.30E-06	30YrCancer	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL	479998.5	3774229	1.57E-06	30YrCancer	1.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	480048.5	3774229	1.45E-06	30YrCancer	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	480098.5	3774229	1.35E-06	30YrCancer	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	480148.5	3774229	1.25E-06	30YrCancer	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	480198.5	3774229	1.17E-06	30YrCancer	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	480248.5	3774229	1.10E-06	30YrCancer	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	480298.5	3774229	1.04E-06	30YrCancer	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	480348.5	3774229	9.83E-07	30YrCancer	9.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	480398.5	3774229	9.34E-07	30YrCancer	9.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	480448.5	3774229	8.85E-07	30YrCancer	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	480498.5	3774229	8.46E-07	30YrCancer	8.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	479998.5	3774279	1.10E-06	30YrCancer	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	480048.5	3774279	1.03E-06	30YrCancer	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	480098.5	3774279	9.74E-07	30YrCancer	9.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL	480148.5	3774279	9.20E-07	30YrCancer	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL	480198.5	3774279	8.75E-07	30YrCancer	8.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL	480248.5	3774279	8.31E-07	30YrCancer	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	480298.5	3774279	7.94E-07	30YrCancer	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	480348.5	3774279	7.60E-07	30YrCancer	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	480398.5	3774279	7.28E-07	30YrCancer	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	480448.5	3774279	6.97E-07	30YrCancer	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	480498.5	3774279	6.69E-07	30YrCancer	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	479998.5	3774329	8.46E-07	30YrCancer	8.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	480048.5	3774329	8.02E-07	30YrCancer	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	480098.5	3774329	7.61E-07	30YrCancer	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1011	ALL	480148.5	3774329	7.26E-07	30YrCancer	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	480198.5	3774329	6.93E-07	30YrCancer	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	480248.5	3774329	6.64E-07	30YrCancer	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	480298.5	3774329	6.38E-07	30YrCancer	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	480348.5	3774329	6.13E-07	30YrCancer	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	480398.5	3774329	5.90E-07	30YrCancer	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	480448.5	3774329	5.69E-07	30YrCancer	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	480498.5	3774329	5.49E-07	30YrCancer	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	479998.5	3774379	6.79E-07	30YrCancer	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	480048.5	3774379	6.45E-07	30YrCancer	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	480098.5	3774379	6.13E-07	30YrCancer	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	480148.5	3774379	5.89E-07	30YrCancer	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	480198.5	3774379	5.62E-07	30YrCancer	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	480248.5	3774379	5.42E-07	30YrCancer	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	480298.5	3774379	5.21E-07	30YrCancer	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	480348.5	3774379	5.03E-07	30YrCancer	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	480398.5	3774379	4.87E-07	30YrCancer	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	480448.5	3774379	4.71E-07	30YrCancer	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	480498.5	3774379	4.57E-07	30YrCancer	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	479998.5	3774429	5.65E-07	30YrCancer	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	480048.5	3774429	5.32E-07	30YrCancer	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	480098.5	3774429	5.09E-07	30YrCancer	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	480148.5	3774429	4.86E-07	30YrCancer	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	480198.5	3774429	4.66E-07	30YrCancer	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	480248.5	3774429	4.51E-07	30YrCancer	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	480298.5	3774429	4.34E-07	30YrCancer	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	480348.5	3774429	4.20E-07	30YrCancer	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	480398.5	3774429	4.06E-07	30YrCancer	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	480448.5	3774429	3.94E-07	30YrCancer	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	480498.5	3774429	3.83E-07	30YrCancer	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	479998.5	3774479	4.83E-07	30YrCancer	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	480048.5	3774479	4.54E-07	30YrCancer	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	480098.5	3774479	4.35E-07	30YrCancer	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	480148.5	3774479	4.14E-07	30YrCancer	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	480198.5	3774479	3.97E-07	30YrCancer	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	480248.5	3774479	3.84E-07	30YrCancer	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	480298.5	3774479	3.67E-07	30YrCancer	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	480348.5	3774479	3.57E-07	30YrCancer	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	480398.5	3774479	3.44E-07	30YrCancer	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	480448.5	3774479	3.35E-07	30YrCancer	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	480498.5	3774479	3.26E-07	30YrCancer	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	479998.5	3774529	4.23E-07	30YrCancer	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	480048.5	3774529	4.00E-07	30YrCancer	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	480098.5	3774529	3.82E-07	30YrCancer	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1055	ALL	480148.5	3774529	3.60E-07	30YrCancer	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	480198.5	3774529	3.47E-07	30YrCancer	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	480248.5	3774529	3.35E-07	30YrCancer	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	480298.5	3774529	3.20E-07	30YrCancer	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	480348.5	3774529	3.10E-07	30YrCancer	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	480398.5	3774529	2.98E-07	30YrCancer	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	480448.5	3774529	2.91E-07	30YrCancer	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	480498.5	3774529	2.81E-07	30YrCancer	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	479998.5	3774579	3.78E-07	30YrCancer	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	480048.5	3774579	3.59E-07	30YrCancer	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	480098.5	3774579	3.36E-07	30YrCancer	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	480148.5	3774579	3.22E-07	30YrCancer	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	480198.5	3774579	3.10E-07	30YrCancer	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	480248.5	3774579	2.94E-07	30YrCancer	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	480298.5	3774579	2.84E-07	30YrCancer	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	480348.5	3774579	2.72E-07	30YrCancer	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	480398.5	3774579	2.64E-07	30YrCancer	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	480448.5	3774579	2.56E-07	30YrCancer	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	480498.5	3774579	2.48E-07	30YrCancer	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	479998.5	3774629	3.43E-07	30YrCancer	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	480048.5	3774629	3.26E-07	30YrCancer	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	480098.5	3774629	3.06E-07	30YrCancer	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	480148.5	3774629	2.93E-07	30YrCancer	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	480198.5	3774629	2.78E-07	30YrCancer	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	480248.5	3774629	2.66E-07	30YrCancer	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	480298.5	3774629	2.54E-07	30YrCancer	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	480348.5	3774629	2.45E-07	30YrCancer	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	480398.5	3774629	2.38E-07	30YrCancer	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	480448.5	3774629	2.28E-07	30YrCancer	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	480498.5	3774629	2.21E-07	30YrCancer	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	479998.5	3774679	3.14E-07	30YrCancer	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	480048.5	3774679	2.97E-07	30YrCancer	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	480098.5	3774679	2.80E-07	30YrCancer	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	480148.5	3774679	2.68E-07	30YrCancer	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	480198.5	3774679	2.53E-07	30YrCancer	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	480248.5	3774679	2.43E-07	30YrCancer	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	480298.5	3774679	2.32E-07	30YrCancer	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	480348.5	3774679	2.24E-07	30YrCancer	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	480398.5	3774679	2.14E-07	30YrCancer	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	480448.5	3774679	2.08E-07	30YrCancer	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	480498.5	3774679	2.00E-07	30YrCancer	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	479998.5	3774729	2.89E-07	30YrCancer	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	480048.5	3774729	2.71E-07	30YrCancer	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	480098.5	3774729	2.59E-07	30YrCancer	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1099	ALL	480148.5	3774729	2.45E-07	30YrCancer	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	480198.5	3774729	2.34E-07	30YrCancer	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	480248.5	3774729	2.22E-07	30YrCancer	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	480298.5	3774729	2.14E-07	30YrCancer	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	480348.5	3774729	2.06E-07	30YrCancer	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	480398.5	3774729	1.98E-07	30YrCancer	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	480448.5	3774729	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	480498.5	3774729	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	479998.5	3774779	2.67E-07	30YrCancer	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	480048.5	3774779	2.50E-07	30YrCancer	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	480098.5	3774779	2.40E-07	30YrCancer	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	480148.5	3774779	2.28E-07	30YrCancer	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	480198.5	3774779	2.16E-07	30YrCancer	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	480248.5	3774779	2.06E-07	30YrCancer	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	480298.5	3774779	1.99E-07	30YrCancer	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	480348.5	3774779	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	480398.5	3774779	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	480448.5	3774779	1.76E-07	30YrCancer	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	480498.5	3774779	1.71E-07	30YrCancer	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	479998.5	3774829	2.47E-07	30YrCancer	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	480048.5	3774829	2.33E-07	30YrCancer	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	480098.5	3774829	2.24E-07	30YrCancer	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	480148.5	3774829	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	480198.5	3774829	2.02E-07	30YrCancer	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	480248.5	3774829	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	480298.5	3774829	1.86E-07	30YrCancer	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	480348.5	3774829	1.77E-07	30YrCancer	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	480398.5	3774829	1.72E-07	30YrCancer	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	480448.5	3774829	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	480498.5	3774829	1.59E-07	30YrCancer	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	479998.5	3774879	2.27E-07	30YrCancer	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	480048.5	3774879	2.17E-07	30YrCancer	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	480098.5	3774879	2.09E-07	30YrCancer	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	480148.5	3774879	1.99E-07	30YrCancer	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	480198.5	3774879	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	480248.5	3774879	1.80E-07	30YrCancer	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	480298.5	3774879	1.75E-07	30YrCancer	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	480348.5	3774879	1.66E-07	30YrCancer	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	480398.5	3774879	1.59E-07	30YrCancer	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	480448.5	3774879	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	480498.5	3774879	1.49E-07	30YrCancer	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	479998.5	3774929	2.12E-07	30YrCancer	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	480048.5	3774929	2.03E-07	30YrCancer	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	480098.5	3774929	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1143	ALL	480148.5	3774929	1.85E-07	30YrCancer	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	480198.5	3774929	1.79E-07	30YrCancer	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	480248.5	3774929	1.70E-07	30YrCancer	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	480298.5	3774929	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	480348.5	3774929	1.57E-07	30YrCancer	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	480398.5	3774929	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	480448.5	3774929	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	480498.5	3774929	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	479998.5	3774979	1.98E-07	30YrCancer	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	480048.5	3774979	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	480098.5	3774979	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	480148.5	3774979	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	480198.5	3774979	1.68E-07	30YrCancer	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	480248.5	3774979	1.60E-07	30YrCancer	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	480298.5	3774979	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	480348.5	3774979	1.48E-07	30YrCancer	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	480398.5	3774979	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	480448.5	3774979	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	480498.5	3774979	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	479998.5	3775029	1.85E-07	30YrCancer	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	480048.5	3775029	1.78E-07	30YrCancer	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	480098.5	3775029	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	480148.5	3775029	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	480198.5	3775029	1.59E-07	30YrCancer	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	480248.5	3775029	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	480298.5	3775029	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	480348.5	3775029	1.40E-07	30YrCancer	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	480398.5	3775029	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	480448.5	3775029	1.30E-07	30YrCancer	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	480498.5	3775029	1.25E-07	30YrCancer	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	479998.5	3775079	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	480048.5	3775079	1.67E-07	30YrCancer	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	480098.5	3775079	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	480148.5	3775079	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	480198.5	3775079	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	480248.5	3775079	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	480298.5	3775079	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	480348.5	3775079	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	480398.5	3775079	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	480448.5	3775079	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	480498.5	3775079	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	479998.5	3775129	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	480048.5	3775129	1.58E-07	30YrCancer	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	480098.5	3775129	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1187	ALL	480148.5	3775129	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	480198.5	3775129	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	480248.5	3775129	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	480298.5	3775129	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	480348.5	3775129	1.25E-07	30YrCancer	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	480398.5	3775129	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	480448.5	3775129	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	480498.5	3775129	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	479998.5	3775179	1.52E-07	30YrCancer	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	480048.5	3775179	1.49E-07	30YrCancer	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	480098.5	3775179	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	480148.5	3775179	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	480198.5	3775179	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	480248.5	3775179	1.29E-07	30YrCancer	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	480298.5	3775179	1.24E-07	30YrCancer	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	480348.5	3775179	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	480398.5	3775179	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	480448.5	3775179	1.09E-07	30YrCancer	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	480498.5	3775179	1.06E-07	30YrCancer	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	479998.5	3775229	1.44E-07	30YrCancer	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	480048.5	3775229	1.40E-07	30YrCancer	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	480098.5	3775229	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	480148.5	3775229	1.31E-07	30YrCancer	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	480198.5	3775229	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	480248.5	3775229	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	480298.5	3775229	1.17E-07	30YrCancer	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	480348.5	3775229	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	480398.5	3775229	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	480448.5	3775229	1.04E-07	30YrCancer	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	480498.5	3775229	1.01E-07	30YrCancer	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	479998.5	3775279	1.36E-07	30YrCancer	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	480048.5	3775279	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	480098.5	3775279	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	480148.5	3775279	1.24E-07	30YrCancer	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	480198.5	3775279	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	480248.5	3775279	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	480298.5	3775279	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	480348.5	3775279	1.07E-07	30YrCancer	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	480398.5	3775279	1.03E-07	30YrCancer	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	480448.5	3775279	9.90E-08	30YrCancer	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	480498.5	3775279	9.60E-08	30YrCancer	9.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	479998.5	3775329	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	480048.5	3775329	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	480098.5	3775329	1.20E-07	30YrCancer	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1231	ALL	480148.5	3775329	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	480198.5	3775329	1.13E-07	30YrCancer	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	480248.5	3775329	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	480298.5	3775329	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	480348.5	3775329	1.02E-07	30YrCancer	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	480398.5	3775329	9.73E-08	30YrCancer	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	480448.5	3775329	9.47E-08	30YrCancer	9.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	480498.5	3775329	9.12E-08	30YrCancer	9.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	479998.5	3775379	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	480048.5	3775379	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	480098.5	3775379	1.14E-07	30YrCancer	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	480148.5	3775379	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	480198.5	3775379	1.07E-07	30YrCancer	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	480248.5	3775379	1.04E-07	30YrCancer	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	480298.5	3775379	9.92E-08	30YrCancer	9.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	480348.5	3775379	9.59E-08	30YrCancer	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	480398.5	3775379	9.28E-08	30YrCancer	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	480448.5	3775379	8.96E-08	30YrCancer	8.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	480498.5	3775379	8.67E-08	30YrCancer	8.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	479998.5	3775429	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	480048.5	3775429	1.10E-07	30YrCancer	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	480098.5	3775429	1.09E-07	30YrCancer	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	480148.5	3775429	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	480198.5	3775429	1.02E-07	30YrCancer	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	480248.5	3775429	9.70E-08	30YrCancer	9.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	480298.5	3775429	9.40E-08	30YrCancer	9.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	480348.5	3775429	9.03E-08	30YrCancer	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	480398.5	3775429	8.74E-08	30YrCancer	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	480448.5	3775429	8.55E-08	30YrCancer	8.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	480498.5	3775429	8.27E-08	30YrCancer	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	479998.5	3775479	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	480048.5	3775479	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	480098.5	3775479	1.03E-07	30YrCancer	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	480148.5	3775479	9.94E-08	30YrCancer	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	480198.5	3775479	9.54E-08	30YrCancer	9.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	480248.5	3775479	9.13E-08	30YrCancer	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	480298.5	3775479	8.81E-08	30YrCancer	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	480348.5	3775479	8.54E-08	30YrCancer	8.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	480398.5	3775479	8.28E-08	30YrCancer	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	480448.5	3775479	8.11E-08	30YrCancer	8.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	480498.5	3775479	7.83E-08	30YrCancer	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	480254.7	3774120	1.30E-06	30YrCancer	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	480287.5	3774148	1.44E-06	30YrCancer	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	480349.1	3774141	1.37E-06	30YrCancer	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1275	ALL	480381.9	3774045	1.07E-06	30YrCancer	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	480444	3774004	1.01E-06	30YrCancer	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	480407.6	3774006	1.04E-06	30YrCancer	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	480390.5	3774008	1.05E-06	30YrCancer	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	480543	3774447	3.52E-07	30YrCancer	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	480593	3774447	3.42E-07	30YrCancer	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	480643	3774447	3.35E-07	30YrCancer	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	480693	3774447	3.26E-07	30YrCancer	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	480743	3774447	3.19E-07	30YrCancer	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	480793	3774447	3.11E-07	30YrCancer	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	480843	3774447	3.05E-07	30YrCancer	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	480893	3774447	2.98E-07	30YrCancer	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	480943	3774447	2.92E-07	30YrCancer	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	480993	3774447	2.86E-07	30YrCancer	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	481043	3774447	2.79E-07	30YrCancer	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	481093	3774447	2.74E-07	30YrCancer	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	481143	3774447	2.67E-07	30YrCancer	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	481193	3774447	2.61E-07	30YrCancer	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	481243	3774447	2.55E-07	30YrCancer	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	481293	3774447	2.49E-07	30YrCancer	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	481343	3774447	2.43E-07	30YrCancer	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	481393	3774447	2.37E-07	30YrCancer	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	481443	3774447	2.31E-07	30YrCancer	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	480543	3774497	3.02E-07	30YrCancer	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	480593	3774497	2.93E-07	30YrCancer	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	480643	3774497	2.87E-07	30YrCancer	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	480693	3774497	2.79E-07	30YrCancer	2.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	480743	3774497	2.73E-07	30YrCancer	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	480793	3774497	2.67E-07	30YrCancer	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304	ALL	480843	3774497	2.63E-07	30YrCancer	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	480893	3774497	2.57E-07	30YrCancer	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	480943	3774497	2.52E-07	30YrCancer	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	480993	3774497	2.46E-07	30YrCancer	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	481043	3774497	2.41E-07	30YrCancer	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	481093	3774497	2.37E-07	30YrCancer	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	481143	3774497	2.32E-07	30YrCancer	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	481193	3774497	2.26E-07	30YrCancer	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	481243	3774497	2.22E-07	30YrCancer	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	481293	3774497	2.16E-07	30YrCancer	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	481343	3774497	2.11E-07	30YrCancer	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315	ALL	481393	3774497	2.05E-07	30YrCancer	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1316	ALL	481443	3774497	2.01E-07	30YrCancer	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317	ALL	481493	3774497	1.95E-07	30YrCancer	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318	ALL	480543	3774547	2.61E-07	30YrCancer	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1319	ALL	480593	3774547	2.55E-07	30YrCancer	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	480643	3774547	2.49E-07	30YrCancer	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1321	ALL	480693	3774547	2.43E-07	30YrCancer	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	480743	3774547	2.37E-07	30YrCancer	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	480793	3774547	2.32E-07	30YrCancer	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	480843	3774547	2.28E-07	30YrCancer	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	480893	3774547	2.23E-07	30YrCancer	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	480943	3774547	2.19E-07	30YrCancer	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	480993	3774547	2.14E-07	30YrCancer	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	481043	3774547	2.10E-07	30YrCancer	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	481093	3774547	2.06E-07	30YrCancer	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	481143	3774547	2.01E-07	30YrCancer	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	481193	3774547	1.97E-07	30YrCancer	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	481243	3774547	1.93E-07	30YrCancer	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	481293	3774547	1.88E-07	30YrCancer	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	481343	3774547	1.85E-07	30YrCancer	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	481393	3774547	1.80E-07	30YrCancer	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	481443	3774547	1.75E-07	30YrCancer	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	481493	3774547	1.71E-07	30YrCancer	1.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	481543	3774547	1.68E-07	30YrCancer	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	480543	3774597	2.31E-07	30YrCancer	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	480593	3774597	2.26E-07	30YrCancer	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	480643	3774597	2.18E-07	30YrCancer	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	480693	3774597	2.14E-07	30YrCancer	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	480743	3774597	2.08E-07	30YrCancer	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	480793	3774597	2.05E-07	30YrCancer	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	480843	3774597	2.00E-07	30YrCancer	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1346	ALL	480893	3774597	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	480943	3774597	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	480993	3774597	1.88E-07	30YrCancer	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1349	ALL	481043	3774597	1.84E-07	30YrCancer	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	481093	3774597	1.81E-07	30YrCancer	1.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	481143	3774597	1.76E-07	30YrCancer	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	481193	3774597	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1353	ALL	481243	3774597	1.69E-07	30YrCancer	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	481293	3774597	1.65E-07	30YrCancer	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	481343	3774597	1.62E-07	30YrCancer	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	481393	3774597	1.58E-07	30YrCancer	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	481443	3774597	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	481493	3774597	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	481543	3774597	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	480543	3774647	2.08E-07	30YrCancer	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	480593	3774647	2.02E-07	30YrCancer	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	480643	3774647	1.96E-07	30YrCancer	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1363	ALL	480693	3774647	1.92E-07	30YrCancer	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	480743	3774647	1.86E-07	30YrCancer	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	480793	3774647	1.83E-07	30YrCancer	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	480843	3774647	1.78E-07	30YrCancer	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	480893	3774647	1.74E-07	30YrCancer	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	480943	3774647	1.70E-07	30YrCancer	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1369	ALL	480993	3774647	1.68E-07	30YrCancer	1.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	481043	3774647	1.63E-07	30YrCancer	1.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1371	ALL	481093	3774647	1.59E-07	30YrCancer	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	481143	3774647	1.57E-07	30YrCancer	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	481193	3774647	1.53E-07	30YrCancer	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	481243	3774647	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	481293	3774647	1.47E-07	30YrCancer	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	481343	3774647	1.44E-07	30YrCancer	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	481393	3774647	1.40E-07	30YrCancer	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	481443	3774647	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	481493	3774647	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	481543	3774647	1.31E-07	30YrCancer	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	480543	3774697	1.90E-07	30YrCancer	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	480593	3774697	1.83E-07	30YrCancer	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	480643	3774697	1.79E-07	30YrCancer	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	480693	3774697	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	480743	3774697	1.69E-07	30YrCancer	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	480793	3774697	1.66E-07	30YrCancer	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	480843	3774697	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	480893	3774697	1.57E-07	30YrCancer	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	480943	3774697	1.54E-07	30YrCancer	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	480993	3774697	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1391	ALL	481043	3774697	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	481093	3774697	1.43E-07	30YrCancer	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1393	ALL	481143	3774697	1.40E-07	30YrCancer	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1394	ALL	481193	3774697	1.38E-07	30YrCancer	1.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	481243	3774697	1.34E-07	30YrCancer	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	481293	3774697	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	481343	3774697	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	481393	3774697	1.25E-07	30YrCancer	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1399	ALL	481443	3774697	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	481493	3774697	1.20E-07	30YrCancer	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	481543	3774697	1.17E-07	30YrCancer	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	480543	3774747	1.73E-07	30YrCancer	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1403	ALL	480593	3774747	1.69E-07	30YrCancer	1.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1404	ALL	480643	3774747	1.64E-07	30YrCancer	1.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1405	ALL	480693	3774747	1.59E-07	30YrCancer	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1406	ALL	480743	3774747	1.55E-07	30YrCancer	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1407	ALL	480793	3774747	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1408	ALL	480843	3774747	1.48E-07	30YrCancer	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1409	ALL	480893	3774747	1.43E-07	30YrCancer	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1410	ALL	480943	3774747	1.40E-07	30YrCancer	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1411	ALL	480993	3774747	1.37E-07	30YrCancer	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1412	ALL	481043	3774747	1.33E-07	30YrCancer	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1413	ALL	481093	3774747	1.30E-07	30YrCancer	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1414	ALL	481143	3774747	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1415	ALL	481193	3774747	1.24E-07	30YrCancer	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1416	ALL	481243	3774747	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1417	ALL	481293	3774747	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1418	ALL	481343	3774747	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1419	ALL	481393	3774747	1.13E-07	30YrCancer	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1420	ALL	481443	3774747	1.10E-07	30YrCancer	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1421	ALL	481493	3774747	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1422	ALL	481543	3774747	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1423	ALL	480543	3774797	1.61E-07	30YrCancer	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1424	ALL	480593	3774797	1.56E-07	30YrCancer	1.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1425	ALL	480643	3774797	1.51E-07	30YrCancer	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1426	ALL	480693	3774797	1.46E-07	30YrCancer	1.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1427	ALL	480743	3774797	1.42E-07	30YrCancer	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1428	ALL	480793	3774797	1.39E-07	30YrCancer	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1429	ALL	480843	3774797	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1430	ALL	480893	3774797	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1431	ALL	480943	3774797	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1432	ALL	480993	3774797	1.25E-07	30YrCancer	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1433	ALL	481043	3774797	1.22E-07	30YrCancer	1.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1434	ALL	481093	3774797	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1435	ALL	481143	3774797	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1436	ALL	481193	3774797	1.13E-07	30YrCancer	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1437	ALL	481243	3774797	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1438	ALL	481293	3774797	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1439	ALL	481343	3774797	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1440	ALL	481393	3774797	1.03E-07	30YrCancer	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1441	ALL	481443	3774797	1.00E-07	30YrCancer	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1442	ALL	481493	3774797	9.78E-08	30YrCancer	9.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1443	ALL	481543	3774797	9.49E-08	30YrCancer	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1444	ALL	480543	3774847	1.50E-07	30YrCancer	1.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1445	ALL	480593	3774847	1.45E-07	30YrCancer	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1446	ALL	480643	3774847	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1447	ALL	480693	3774847	1.35E-07	30YrCancer	1.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1448	ALL	480743	3774847	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1449	ALL	480793	3774847	1.30E-07	30YrCancer	1.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1450	ALL	480843	3774847	1.26E-07	30YrCancer	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1451	ALL	480893	3774847	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1452	ALL	480943	3774847	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1453	ALL	480993	3774847	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1454	ALL	481043	3774847	1.13E-07	30YrCancer	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1455	ALL	481093	3774847	1.10E-07	30YrCancer	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1456	ALL	481143	3774847	1.07E-07	30YrCancer	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1457	ALL	481193	3774847	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1458	ALL	481243	3774847	1.02E-07	30YrCancer	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1459	ALL	481293	3774847	9.94E-08	30YrCancer	9.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1460	ALL	481343	3774847	9.67E-08	30YrCancer	9.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1461	ALL	481393	3774847	9.41E-08	30YrCancer	9.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1462	ALL	481443	3774847	9.17E-08	30YrCancer	9.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1463	ALL	481493	3774847	8.97E-08	30YrCancer	8.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1464	ALL	481543	3774847	8.73E-08	30YrCancer	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1465	ALL	480543	3774897	1.41E-07	30YrCancer	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1466	ALL	480593	3774897	1.36E-07	30YrCancer	1.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1467	ALL	480643	3774897	1.31E-07	30YrCancer	1.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1468	ALL	480693	3774897	1.27E-07	30YrCancer	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1469	ALL	480743	3774897	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1470	ALL	480793	3774897	1.21E-07	30YrCancer	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1471	ALL	480843	3774897	1.18E-07	30YrCancer	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1472	ALL	480893	3774897	1.15E-07	30YrCancer	1.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1473	ALL	480943	3774897	1.12E-07	30YrCancer	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1474	ALL	480993	3774897	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1475	ALL	481043	3774897	1.05E-07	30YrCancer	1.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1476	ALL	481093	3774897	1.02E-07	30YrCancer	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1477	ALL	481143	3774897	9.97E-08	30YrCancer	9.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1478	ALL	481193	3774897	9.71E-08	30YrCancer	9.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1479	ALL	481243	3774897	9.47E-08	30YrCancer	9.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1480	ALL	481293	3774897	9.22E-08	30YrCancer	9.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1481	ALL	481343	3774897	8.98E-08	30YrCancer	8.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1482	ALL	481393	3774897	8.73E-08	30YrCancer	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1483	ALL	481443	3774897	8.48E-08	30YrCancer	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1484	ALL	481493	3774897	8.24E-08	30YrCancer	8.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1485	ALL	481543	3774897	8.03E-08	30YrCancer	8.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1486	ALL	480543	3774947	1.32E-07	30YrCancer	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1487	ALL	480593	3774947	1.28E-07	30YrCancer	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1488	ALL	480643	3774947	1.23E-07	30YrCancer	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1489	ALL	480693	3774947	1.19E-07	30YrCancer	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1490	ALL	480743	3774947	1.16E-07	30YrCancer	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1491	ALL	480793	3774947	1.14E-07	30YrCancer	1.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1492	ALL	480843	3774947	1.11E-07	30YrCancer	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1493	ALL	480893	3774947	1.08E-07	30YrCancer	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1494	ALL	480943	3774947	1.04E-07	30YrCancer	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1495	ALL	480993	3774947	1.01E-07	30YrCancer	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1496	ALL	481043	3774947	9.82E-08	30YrCancer	9.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1497	ALL	481093	3774947	9.57E-08	30YrCancer	9.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1498	ALL	481143	3774947	9.29E-08	30YrCancer	9.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1499	ALL	481193	3774947	9.08E-08	30YrCancer	9.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1500	ALL	481243	3774947	8.81E-08	30YrCancer	8.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1501	ALL	481293	3774947	8.56E-08	30YrCancer	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1502	ALL	481343	3774947	8.33E-08	30YrCancer	8.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1503	ALL	481393	3774947	8.10E-08	30YrCancer	8.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1504	ALL	481443	3774947	7.87E-08	30YrCancer	7.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1505	ALL	481493	3774947	7.63E-08	30YrCancer	7.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1506	ALL	481543	3774947	7.49E-08	30YrCancer	7.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

9.48E-06
9.48E+00

HARP2 - HRACalc (dated 22118) 1/9/2023 2:26:18 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 3
Total Exposure Duration: 3

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 3
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5thVictoriaOp\hra\5thVicCancerOpStudentCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5thVictoriaOp\hra\5thVicCancerOpStudentCancerRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 1/9/2023 2:26:18 PM - Cancer Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5thVictoriaOp\hra\5thVicCancerOpStudentHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISI	PIG_RISK	CHICKEN_F	EGG_RISK
1	ALL		478170.4	3774040	3.15E-08	3YrCancerF	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		478220.4	3774040	3.39E-08	3YrCancerF	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		478270.4	3774040	3.68E-08	3YrCancerF	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		478320.4	3774040	4.00E-08	3YrCancerF	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		478170.4	3774090	3.07E-08	3YrCancerF	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL		478220.4	3774090	3.31E-08	3YrCancerF	3.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		478270.4	3774090	3.59E-08	3YrCancerF	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		478320.4	3774090	3.89E-08	3YrCancerF	3.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		478170.4	3774140	2.99E-08	3YrCancerF	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		478220.4	3774140	3.22E-08	3YrCancerF	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		478270.4	3774140	3.49E-08	3YrCancerF	3.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		478320.4	3774140	3.78E-08	3YrCancerF	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		478170.4	3774190	2.91E-08	3YrCancerF	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		478220.4	3774190	3.13E-08	3YrCancerF	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		478270.4	3774190	3.38E-08	3YrCancerF	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		478320.4	3774190	3.66E-08	3YrCancerF	3.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL		478170.4	3774240	2.84E-08	3YrCancerF	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL		478220.4	3774240	3.04E-08	3YrCancerF	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL		478270.4	3774240	3.28E-08	3YrCancerF	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL		478320.4	3774240	3.55E-08	3YrCancerF	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL		478370.4	3774240	3.85E-08	3YrCancerF	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL		478420.4	3774240	4.20E-08	3YrCancerF	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL		478470.4	3774240	4.59E-08	3YrCancerF	4.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL		478520.4	3774240	5.07E-08	3YrCancerF	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL		478570.4	3774240	5.61E-08	3YrCancerF	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL		479170.4	3774240	5.21E-07	3YrCancerF	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL		479220.4	3774240	7.26E-07	3YrCancerF	7.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL		479270.4	3774240	9.80E-07	3YrCancerF	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL		479320.4	3774240	1.09E-06	3YrCancerF	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL		479370.4	3774240	9.30E-07	3YrCancerF	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL		479420.4	3774240	7.16E-07	3YrCancerF	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL		479470.4	3774240	5.65E-07	3YrCancerF	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL		479520.4	3774240	4.58E-07	3YrCancerF	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL		479570.4	3774240	3.82E-07	3YrCancerF	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL		479620.4	3774240	3.26E-07	3YrCancerF	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL		479670.4	3774240	2.83E-07	3YrCancerF	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL		479720.4	3774240	2.50E-07	3YrCancerF	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL		479770.4	3774240	2.23E-07	3YrCancerF	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL		479820.4	3774240	2.02E-07	3YrCancerF	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL		479870.4	3774240	1.85E-07	3YrCancerF	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		479920.4	3774240	1.70E-07	3YrCancerF	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		479970.4	3774240	1.61E-07	3YrCancerF	1.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

43	ALL	478170.4	3774290	2.76E-08	3YrCancerF	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL	478220.4	3774290	2.96E-08	3YrCancerF	2.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL	478270.4	3774290	3.18E-08	3YrCancerF	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	478320.4	3774290	3.43E-08	3YrCancerF	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	478370.4	3774290	3.72E-08	3YrCancerF	3.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	478420.4	3774290	4.05E-08	3YrCancerF	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	478470.4	3774290	4.42E-08	3YrCancerF	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	478520.4	3774290	4.86E-08	3YrCancerF	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	478570.4	3774290	5.36E-08	3YrCancerF	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	479170.4	3774290	3.83E-07	3YrCancerF	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	479220.4	3774290	4.77E-07	3YrCancerF	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	479270.4	3774290	5.62E-07	3YrCancerF	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	479320.4	3774290	5.91E-07	3YrCancerF	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	479370.4	3774290	5.44E-07	3YrCancerF	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	479420.4	3774290	4.61E-07	3YrCancerF	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	479470.4	3774290	3.82E-07	3YrCancerF	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	479520.4	3774290	3.19E-07	3YrCancerF	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	479570.4	3774290	2.72E-07	3YrCancerF	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	479620.4	3774290	2.36E-07	3YrCancerF	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	479670.4	3774290	2.08E-07	3YrCancerF	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	479720.4	3774290	1.85E-07	3YrCancerF	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	479770.4	3774290	1.67E-07	3YrCancerF	1.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	479820.4	3774290	1.52E-07	3YrCancerF	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	479870.4	3774290	1.39E-07	3YrCancerF	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	479920.4	3774290	1.27E-07	3YrCancerF	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	479970.4	3774290	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL	478170.4	3774340	2.68E-08	3YrCancerF	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	478220.4	3774340	2.87E-08	3YrCancerF	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	478270.4	3774340	3.08E-08	3YrCancerF	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	478320.4	3774340	3.32E-08	3YrCancerF	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	478370.4	3774340	3.59E-08	3YrCancerF	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	478420.4	3774340	3.90E-08	3YrCancerF	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	478470.4	3774340	4.25E-08	3YrCancerF	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	478520.4	3774340	4.65E-08	3YrCancerF	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	478570.4	3774340	5.11E-08	3YrCancerF	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	479170.4	3774340	2.87E-07	3YrCancerF	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	479220.4	3774340	3.34E-07	3YrCancerF	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	479270.4	3774340	3.69E-07	3YrCancerF	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	479320.4	3774340	3.81E-07	3YrCancerF	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	479370.4	3774340	3.62E-07	3YrCancerF	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	479420.4	3774340	3.25E-07	3YrCancerF	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	479470.4	3774340	2.83E-07	3YrCancerF	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	479520.4	3774340	2.44E-07	3YrCancerF	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	479570.4	3774340	2.12E-07	3YrCancerF	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

87	ALL	479620.4	3774340	1.85E-07	3YrCancerF	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	479670.4	3774340	1.65E-07	3YrCancerF	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	479720.4	3774340	1.48E-07	3YrCancerF	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	479770.4	3774340	1.34E-07	3YrCancerF	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	479820.4	3774340	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	479870.4	3774340	1.11E-07	3YrCancerF	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	479920.4	3774340	1.02E-07	3YrCancerF	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	479970.4	3774340	9.55E-08	3YrCancerF	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	478170.4	3774390	2.60E-08	3YrCancerF	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	478220.4	3774390	2.78E-08	3YrCancerF	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	478270.4	3774390	2.98E-08	3YrCancerF	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	478320.4	3774390	3.21E-08	3YrCancerF	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	478370.4	3774390	3.46E-08	3YrCancerF	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	478420.4	3774390	3.75E-08	3YrCancerF	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	478470.4	3774390	4.08E-08	3YrCancerF	4.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	478520.4	3774390	4.45E-08	3YrCancerF	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	478570.4	3774390	4.87E-08	3YrCancerF	4.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	479170.4	3774390	2.22E-07	3YrCancerF	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	479220.4	3774390	2.47E-07	3YrCancerF	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	479270.4	3774390	2.64E-07	3YrCancerF	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	479320.4	3774390	2.70E-07	3YrCancerF	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	479370.4	3774390	2.61E-07	3YrCancerF	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	479420.4	3774390	2.42E-07	3YrCancerF	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	479470.4	3774390	2.18E-07	3YrCancerF	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	479520.4	3774390	1.94E-07	3YrCancerF	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	479570.4	3774390	1.72E-07	3YrCancerF	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	479620.4	3774390	1.53E-07	3YrCancerF	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	479670.4	3774390	1.37E-07	3YrCancerF	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	479720.4	3774390	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	479770.4	3774390	1.12E-07	3YrCancerF	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	479820.4	3774390	9.98E-08	3YrCancerF	9.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL	479870.4	3774390	8.73E-08	3YrCancerF	8.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	479920.4	3774390	8.23E-08	3YrCancerF	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	479970.4	3774390	7.68E-08	3YrCancerF	7.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	478170.4	3774440	2.53E-08	3YrCancerF	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	478220.4	3774440	2.70E-08	3YrCancerF	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	478270.4	3774440	2.89E-08	3YrCancerF	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	478320.4	3774440	3.10E-08	3YrCancerF	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	478370.4	3774440	3.34E-08	3YrCancerF	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	478420.4	3774440	3.60E-08	3YrCancerF	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	478470.4	3774440	3.91E-08	3YrCancerF	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	478520.4	3774440	4.25E-08	3YrCancerF	4.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	478570.4	3774440	4.64E-08	3YrCancerF	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	478620.4	3774440	5.09E-08	3YrCancerF	5.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

131	ALL	478670.4	3774440	5.61E-08	3YrCancerF	5.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	478720.4	3774440	6.21E-08	3YrCancerF	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	478770.4	3774440	6.90E-08	3YrCancerF	6.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	478820.4	3774440	7.73E-08	3YrCancerF	7.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	479320.4	3774440	2.03E-07	3YrCancerF	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	479370.4	3774440	1.98E-07	3YrCancerF	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	479420.4	3774440	1.88E-07	3YrCancerF	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	479470.4	3774440	1.74E-07	3YrCancerF	1.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	479520.4	3774440	1.58E-07	3YrCancerF	1.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	479570.4	3774440	1.43E-07	3YrCancerF	1.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	479620.4	3774440	1.29E-07	3YrCancerF	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	479670.4	3774440	1.17E-07	3YrCancerF	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	479720.4	3774440	1.06E-07	3YrCancerF	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	479770.4	3774440	9.70E-08	3YrCancerF	9.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	479820.4	3774440	8.37E-08	3YrCancerF	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	479870.4	3774440	7.37E-08	3YrCancerF	7.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	479920.4	3774440	6.79E-08	3YrCancerF	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	479970.4	3774440	6.44E-08	3YrCancerF	6.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	478170.4	3774490	2.45E-08	3YrCancerF	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	478220.4	3774490	2.62E-08	3YrCancerF	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	478270.4	3774490	2.79E-08	3YrCancerF	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	478320.4	3774490	2.99E-08	3YrCancerF	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	478370.4	3774490	3.22E-08	3YrCancerF	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	478420.4	3774490	3.46E-08	3YrCancerF	3.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	478470.4	3774490	3.74E-08	3YrCancerF	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	478520.4	3774490	4.06E-08	3YrCancerF	4.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	478570.4	3774490	4.41E-08	3YrCancerF	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	478620.4	3774490	4.82E-08	3YrCancerF	4.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	478670.4	3774490	5.28E-08	3YrCancerF	5.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	478720.4	3774490	5.80E-08	3YrCancerF	5.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	478749.3	3774488	6.16E-08	3YrCancerF	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	478820.4	3774490	7.10E-08	3YrCancerF	7.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	479370.4	3774490	1.57E-07	3YrCancerF	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	479420.4	3774490	1.51E-07	3YrCancerF	1.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	479470.4	3774490	1.42E-07	3YrCancerF	1.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	479520.4	3774490	1.32E-07	3YrCancerF	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	479570.4	3774490	1.21E-07	3YrCancerF	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	479620.4	3774490	1.11E-07	3YrCancerF	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	479670.4	3774490	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	479720.4	3774490	9.28E-08	3YrCancerF	9.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	479770.4	3774490	8.36E-08	3YrCancerF	8.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	479820.4	3774490	6.86E-08	3YrCancerF	6.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	479870.4	3774490	6.37E-08	3YrCancerF	6.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	479920.4	3774490	5.90E-08	3YrCancerF	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

175	ALL	479970.4	3774490	5.58E-08	3YrCancerF	5.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	478170.4	3774540	2.38E-08	3YrCancerF	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	478220.4	3774540	2.53E-08	3YrCancerF	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	478270.4	3774540	2.70E-08	3YrCancerF	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	478320.4	3774540	2.88E-08	3YrCancerF	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	478370.4	3774540	3.09E-08	3YrCancerF	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	478420.4	3774540	3.32E-08	3YrCancerF	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	478470.4	3774540	3.58E-08	3YrCancerF	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	478520.4	3774540	3.87E-08	3YrCancerF	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	478570.4	3774540	4.19E-08	3YrCancerF	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	478620.4	3774540	4.56E-08	3YrCancerF	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	478670.4	3774540	4.96E-08	3YrCancerF	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	478720.4	3774540	5.41E-08	3YrCancerF	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	478764.9	3774551	5.78E-08	3YrCancerF	5.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	478807.5	3774552	6.23E-08	3YrCancerF	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	479370.4	3774540	1.28E-07	3YrCancerF	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	479420.4	3774540	1.24E-07	3YrCancerF	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	479470.4	3774540	1.18E-07	3YrCancerF	1.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	479520.4	3774540	1.11E-07	3YrCancerF	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	479570.4	3774540	1.03E-07	3YrCancerF	1.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	479620.4	3774540	9.59E-08	3YrCancerF	9.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	479670.4	3774540	8.87E-08	3YrCancerF	8.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	479720.4	3774540	8.21E-08	3YrCancerF	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	479770.4	3774540	7.14E-08	3YrCancerF	7.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	479820.4	3774540	6.09E-08	3YrCancerF	6.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	479870.4	3774540	5.66E-08	3YrCancerF	5.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	479920.4	3774540	5.24E-08	3YrCancerF	5.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	479970.4	3774540	4.96E-08	3YrCancerF	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	478170.4	3774590	2.31E-08	3YrCancerF	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	478220.4	3774590	2.45E-08	3YrCancerF	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	478270.4	3774590	2.61E-08	3YrCancerF	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	478320.4	3774590	2.78E-08	3YrCancerF	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	478370.4	3774590	2.97E-08	3YrCancerF	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	478420.4	3774590	3.18E-08	3YrCancerF	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	478470.4	3774590	3.42E-08	3YrCancerF	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	478520.4	3774590	3.68E-08	3YrCancerF	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	478570.4	3774590	3.98E-08	3YrCancerF	3.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	478620.4	3774590	4.30E-08	3YrCancerF	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	478670.4	3774590	4.65E-08	3YrCancerF	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	478720.4	3774590	5.05E-08	3YrCancerF	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	478776.3	3774603	5.43E-08	3YrCancerF	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	478804.3	3774604	5.67E-08	3YrCancerF	5.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	479370.4	3774590	1.06E-07	3YrCancerF	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	479420.4	3774590	1.04E-07	3YrCancerF	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

219	ALL	479470.4	3774590	9.97E-08	3YrCancerF	9.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	479520.4	3774590	9.49E-08	3YrCancerF	9.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	479570.4	3774590	8.94E-08	3YrCancerF	8.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	479620.4	3774590	8.39E-08	3YrCancerF	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	479670.4	3774590	7.83E-08	3YrCancerF	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	479720.4	3774590	7.07E-08	3YrCancerF	7.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	479770.4	3774590	5.81E-08	3YrCancerF	5.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	479820.4	3774590	5.46E-08	3YrCancerF	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	479870.4	3774590	5.08E-08	3YrCancerF	5.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	479920.4	3774590	4.72E-08	3YrCancerF	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	479970.4	3774590	4.40E-08	3YrCancerF	4.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	478170.4	3774640	2.24E-08	3YrCancerF	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	478220.4	3774640	2.37E-08	3YrCancerF	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	478270.4	3774640	2.52E-08	3YrCancerF	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	478320.4	3774640	2.68E-08	3YrCancerF	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	478370.4	3774640	2.86E-08	3YrCancerF	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	478420.4	3774640	3.05E-08	3YrCancerF	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	478470.4	3774640	3.27E-08	3YrCancerF	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	478520.4	3774640	3.50E-08	3YrCancerF	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	478570.4	3774640	3.77E-08	3YrCancerF	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	478620.4	3774640	4.05E-08	3YrCancerF	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	478670.4	3774640	4.36E-08	3YrCancerF	4.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	478720.4	3774640	4.71E-08	3YrCancerF	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	478770.4	3774640	5.07E-08	3YrCancerF	5.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	478820.4	3774640	5.48E-08	3YrCancerF	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	478870.4	3774640	5.91E-08	3YrCancerF	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	479370.4	3774640	9.02E-08	3YrCancerF	9.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	479420.4	3774640	8.84E-08	3YrCancerF	8.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	479470.4	3774640	8.56E-08	3YrCancerF	8.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	479520.4	3774640	8.21E-08	3YrCancerF	8.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	479570.4	3774640	7.81E-08	3YrCancerF	7.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	479620.4	3774640	7.38E-08	3YrCancerF	7.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	479670.4	3774640	6.96E-08	3YrCancerF	6.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	479720.4	3774640	6.22E-08	3YrCancerF	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	479770.4	3774640	5.22E-08	3YrCancerF	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	479820.4	3774640	4.93E-08	3YrCancerF	4.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	479870.4	3774640	4.53E-08	3YrCancerF	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	479920.4	3774640	4.29E-08	3YrCancerF	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	479970.4	3774640	4.00E-08	3YrCancerF	4.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	478170.4	3774690	2.17E-08	3YrCancerF	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	478220.4	3774690	2.29E-08	3YrCancerF	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	478270.4	3774690	2.43E-08	3YrCancerF	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	478320.4	3774690	2.58E-08	3YrCancerF	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	478370.4	3774690	2.74E-08	3YrCancerF	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

263	ALL	478420.4	3774690	2.92E-08	3YrCancerF	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	478470.4	3774690	3.12E-08	3YrCancerF	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	478520.4	3774690	3.33E-08	3YrCancerF	3.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	478570.4	3774690	3.56E-08	3YrCancerF	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	478620.4	3774690	3.81E-08	3YrCancerF	3.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	478670.4	3774690	4.09E-08	3YrCancerF	4.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	478720.4	3774690	4.38E-08	3YrCancerF	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	478770.4	3774690	4.69E-08	3YrCancerF	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	478820.4	3774690	5.03E-08	3YrCancerF	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	478868.7	3774701	5.26E-08	3YrCancerF	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	478861.3	3774671	5.50E-08	3YrCancerF	5.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	479026.6	3774722	6.06E-08	3YrCancerF	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	479059.1	3774697	6.66E-08	3YrCancerF	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	479113.7	3774695	7.03E-08	3YrCancerF	7.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	479370.4	3774690	7.77E-08	3YrCancerF	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	479420.4	3774690	7.64E-08	3YrCancerF	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	479470.4	3774690	7.44E-08	3YrCancerF	7.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	479520.4	3774690	7.18E-08	3YrCancerF	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	479570.4	3774690	6.88E-08	3YrCancerF	6.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	479620.4	3774690	6.55E-08	3YrCancerF	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	479670.4	3774690	6.22E-08	3YrCancerF	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	479720.4	3774690	5.48E-08	3YrCancerF	5.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	479770.4	3774690	4.71E-08	3YrCancerF	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	479820.4	3774690	4.38E-08	3YrCancerF	4.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	479870.4	3774690	4.12E-08	3YrCancerF	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	479920.4	3774690	3.92E-08	3YrCancerF	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	479970.4	3774690	3.65E-08	3YrCancerF	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	478170.4	3774740	2.10E-08	3YrCancerF	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	478220.4	3774740	2.21E-08	3YrCancerF	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	478270.4	3774740	2.34E-08	3YrCancerF	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	478320.4	3774740	2.48E-08	3YrCancerF	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	478370.4	3774740	2.63E-08	3YrCancerF	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	478420.4	3774740	2.79E-08	3YrCancerF	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	478470.4	3774740	2.97E-08	3YrCancerF	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	478520.4	3774740	3.16E-08	3YrCancerF	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	478570.4	3774740	3.37E-08	3YrCancerF	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	478620.4	3774740	3.58E-08	3YrCancerF	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	478670.4	3774740	3.82E-08	3YrCancerF	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	478720.4	3774740	4.07E-08	3YrCancerF	4.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	478770.4	3774740	4.34E-08	3YrCancerF	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	478820.4	3774740	4.62E-08	3YrCancerF	4.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	478863	3774730	4.96E-08	3YrCancerF	4.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	479020.4	3774740	5.79E-08	3YrCancerF	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	479070.4	3774740	6.07E-08	3YrCancerF	6.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

307	ALL	479120.4	3774740	6.31E-08	3YrCancerF	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	479370.4	3774740	6.77E-08	3YrCancerF	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	479420.4	3774740	6.68E-08	3YrCancerF	6.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	479470.4	3774740	6.53E-08	3YrCancerF	6.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	479520.4	3774740	6.34E-08	3YrCancerF	6.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	479570.4	3774740	6.11E-08	3YrCancerF	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	479620.4	3774740	5.86E-08	3YrCancerF	5.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	479670.4	3774740	5.60E-08	3YrCancerF	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	479720.4	3774740	4.47E-08	3YrCancerF	4.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	479770.4	3774740	4.26E-08	3YrCancerF	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	479820.4	3774740	3.95E-08	3YrCancerF	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	479870.4	3774740	3.77E-08	3YrCancerF	3.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	479920.4	3774740	3.60E-08	3YrCancerF	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	479970.4	3774740	3.35E-08	3YrCancerF	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	478170.4	3774790	2.03E-08	3YrCancerF	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	478220.4	3774790	2.14E-08	3YrCancerF	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	478270.4	3774790	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	478320.4	3774790	2.38E-08	3YrCancerF	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	478370.4	3774790	2.52E-08	3YrCancerF	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	478420.4	3774790	2.67E-08	3YrCancerF	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	478470.4	3774790	2.83E-08	3YrCancerF	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
328	ALL	478520.4	3774790	3.00E-08	3YrCancerF	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	478570.4	3774790	3.18E-08	3YrCancerF	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	478620.4	3774790	3.37E-08	3YrCancerF	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	478670.4	3774790	3.58E-08	3YrCancerF	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	478720.4	3774790	3.79E-08	3YrCancerF	3.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	478770.4	3774790	4.02E-08	3YrCancerF	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	478820.4	3774790	4.26E-08	3YrCancerF	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	478870.4	3774790	4.50E-08	3YrCancerF	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	478920.4	3774790	4.74E-08	3YrCancerF	4.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	478970.4	3774790	4.98E-08	3YrCancerF	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
338	ALL	479020.4	3774790	5.21E-08	3YrCancerF	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	479070.4	3774790	5.43E-08	3YrCancerF	5.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	479120.4	3774790	5.62E-08	3YrCancerF	5.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	479370.4	3774790	5.97E-08	3YrCancerF	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	479420.4	3774790	5.90E-08	3YrCancerF	5.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	479470.4	3774790	5.79E-08	3YrCancerF	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	479520.4	3774790	5.64E-08	3YrCancerF	5.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	479570.4	3774790	5.46E-08	3YrCancerF	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	479620.4	3774790	5.27E-08	3YrCancerF	5.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	479670.4	3774790	5.06E-08	3YrCancerF	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	479720.4	3774790	4.05E-08	3YrCancerF	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	479770.4	3774790	3.88E-08	3YrCancerF	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	479820.4	3774790	3.61E-08	3YrCancerF	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

351	ALL	479870.4	3774790	3.47E-08	3YrCancerF	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	479920.4	3774790	3.25E-08	3YrCancerF	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	479970.4	3774790	3.10E-08	3YrCancerF	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	477970.4	3774840	1.62E-08	3YrCancerF	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	478020.4	3774840	1.69E-08	3YrCancerF	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	478070.4	3774840	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	478120.4	3774840	1.87E-08	3YrCancerF	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	478170.4	3774840	1.96E-08	3YrCancerF	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	478220.4	3774840	2.06E-08	3YrCancerF	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	478270.4	3774840	2.17E-08	3YrCancerF	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	478320.4	3774840	2.29E-08	3YrCancerF	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	478370.4	3774840	2.41E-08	3YrCancerF	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	478420.4	3774840	2.55E-08	3YrCancerF	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	478470.4	3774840	2.69E-08	3YrCancerF	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	478520.4	3774840	2.84E-08	3YrCancerF	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	478570.4	3774840	3.00E-08	3YrCancerF	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	478620.4	3774840	3.17E-08	3YrCancerF	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	478670.4	3774840	3.35E-08	3YrCancerF	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	478720.4	3774840	3.54E-08	3YrCancerF	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	478770.4	3774840	3.73E-08	3YrCancerF	3.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	478820.4	3774840	3.93E-08	3YrCancerF	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	478870.4	3774840	4.13E-08	3YrCancerF	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	478920.4	3774840	4.33E-08	3YrCancerF	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	478970.4	3774840	4.52E-08	3YrCancerF	4.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	479020.4	3774840	4.71E-08	3YrCancerF	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	479070.4	3774840	4.88E-08	3YrCancerF	4.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	479120.4	3774840	5.03E-08	3YrCancerF	5.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	479170.4	3774840	5.16E-08	3YrCancerF	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	479220.4	3774840	5.25E-08	3YrCancerF	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	479270.4	3774840	5.31E-08	3YrCancerF	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	479320.4	3774840	5.33E-08	3YrCancerF	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	479370.4	3774840	5.31E-08	3YrCancerF	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	479420.4	3774840	5.26E-08	3YrCancerF	5.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	479470.4	3774840	5.17E-08	3YrCancerF	5.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	479520.4	3774840	5.06E-08	3YrCancerF	5.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	479570.4	3774840	4.92E-08	3YrCancerF	4.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	479620.4	3774840	4.76E-08	3YrCancerF	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	479670.4	3774840	4.20E-08	3YrCancerF	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	479720.4	3774840	3.69E-08	3YrCancerF	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	479770.4	3774840	3.55E-08	3YrCancerF	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	479820.4	3774840	3.32E-08	3YrCancerF	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	479870.4	3774840	3.19E-08	3YrCancerF	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	479920.4	3774840	2.98E-08	3YrCancerF	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	479970.4	3774840	2.87E-08	3YrCancerF	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

395	ALL	477970.4	3774890	1.57E-08	3YrCancerF	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	478020.4	3774890	1.65E-08	3YrCancerF	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	478070.4	3774890	1.72E-08	3YrCancerF	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	478120.4	3774890	1.81E-08	3YrCancerF	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	478170.4	3774890	1.89E-08	3YrCancerF	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	478220.4	3774890	1.99E-08	3YrCancerF	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	478270.4	3774890	2.09E-08	3YrCancerF	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	478320.4	3774890	2.20E-08	3YrCancerF	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	478370.4	3774890	2.31E-08	3YrCancerF	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	478420.4	3774890	2.43E-08	3YrCancerF	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	478470.4	3774890	2.56E-08	3YrCancerF	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	478520.4	3774890	2.69E-08	3YrCancerF	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	478570.4	3774890	2.84E-08	3YrCancerF	2.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
408	ALL	478620.4	3774890	2.99E-08	3YrCancerF	2.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	478670.4	3774890	3.14E-08	3YrCancerF	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	478720.4	3774890	3.30E-08	3YrCancerF	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	478770.4	3774890	3.47E-08	3YrCancerF	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	478820.4	3774890	3.64E-08	3YrCancerF	3.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	478870.4	3774890	3.80E-08	3YrCancerF	3.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	478920.4	3774890	3.97E-08	3YrCancerF	3.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	478970.4	3774890	4.13E-08	3YrCancerF	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	479020.4	3774890	4.28E-08	3YrCancerF	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	479070.4	3774890	4.42E-08	3YrCancerF	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	479120.4	3774890	4.54E-08	3YrCancerF	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	479170.4	3774890	4.64E-08	3YrCancerF	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	479220.4	3774890	4.71E-08	3YrCancerF	4.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	479270.4	3774890	4.76E-08	3YrCancerF	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	479320.4	3774890	4.78E-08	3YrCancerF	4.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	479370.4	3774890	4.76E-08	3YrCancerF	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	479420.4	3774890	4.72E-08	3YrCancerF	4.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	479470.4	3774890	4.65E-08	3YrCancerF	4.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	479520.4	3774890	4.56E-08	3YrCancerF	4.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
427	ALL	479570.4	3774890	4.45E-08	3YrCancerF	4.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	479620.4	3774890	4.33E-08	3YrCancerF	4.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	479670.4	3774890	3.83E-08	3YrCancerF	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	479720.4	3774890	3.38E-08	3YrCancerF	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	479770.4	3774890	3.26E-08	3YrCancerF	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	479820.4	3774890	3.06E-08	3YrCancerF	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	479870.4	3774890	2.95E-08	3YrCancerF	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	479920.4	3774890	2.77E-08	3YrCancerF	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	479970.4	3774890	2.67E-08	3YrCancerF	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
436	ALL	477970.4	3774940	1.53E-08	3YrCancerF	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	478020.4	3774940	1.60E-08	3YrCancerF	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	478070.4	3774940	1.67E-08	3YrCancerF	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

439	ALL	478120.4	3774940	1.75E-08	3YrCancerF	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	478170.4	3774940	1.83E-08	3YrCancerF	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	478220.4	3774940	1.91E-08	3YrCancerF	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	478270.4	3774940	2.01E-08	3YrCancerF	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	478320.4	3774940	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	478370.4	3774940	2.21E-08	3YrCancerF	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	478420.4	3774940	2.32E-08	3YrCancerF	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	478470.4	3774940	2.43E-08	3YrCancerF	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	478520.4	3774940	2.55E-08	3YrCancerF	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	478570.4	3774940	2.68E-08	3YrCancerF	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	478620.4	3774940	2.81E-08	3YrCancerF	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	478670.4	3774940	2.95E-08	3YrCancerF	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	478720.4	3774940	3.08E-08	3YrCancerF	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	478770.4	3774940	3.23E-08	3YrCancerF	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	478820.4	3774940	3.37E-08	3YrCancerF	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	478870.4	3774940	3.51E-08	3YrCancerF	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	478920.4	3774940	3.65E-08	3YrCancerF	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	478970.4	3774940	3.78E-08	3YrCancerF	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	479020.4	3774940	3.91E-08	3YrCancerF	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	479070.4	3774940	4.02E-08	3YrCancerF	4.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	479120.4	3774940	4.12E-08	3YrCancerF	4.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	479170.4	3774940	4.20E-08	3YrCancerF	4.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	479220.4	3774940	4.26E-08	3YrCancerF	4.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	479270.4	3774940	4.30E-08	3YrCancerF	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	479320.4	3774940	4.31E-08	3YrCancerF	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	479370.4	3774940	4.30E-08	3YrCancerF	4.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	479420.4	3774940	4.27E-08	3YrCancerF	4.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	479470.4	3774940	4.21E-08	3YrCancerF	4.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	479520.4	3774940	4.14E-08	3YrCancerF	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	479570.4	3774940	4.05E-08	3YrCancerF	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	479620.4	3774940	3.95E-08	3YrCancerF	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	479670.4	3774940	3.51E-08	3YrCancerF	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	479720.4	3774940	3.10E-08	3YrCancerF	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	479770.4	3774940	2.93E-08	3YrCancerF	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	479820.4	3774940	2.82E-08	3YrCancerF	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	479870.4	3774940	2.73E-08	3YrCancerF	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	479920.4	3774940	2.57E-08	3YrCancerF	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	479970.4	3774940	2.48E-08	3YrCancerF	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	477970.4	3774990	1.49E-08	3YrCancerF	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	478020.4	3774990	1.55E-08	3YrCancerF	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	478070.4	3774990	1.62E-08	3YrCancerF	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	478120.4	3774990	1.69E-08	3YrCancerF	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	478170.4	3774990	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	478220.4	3774990	1.84E-08	3YrCancerF	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

483	ALL	478270.4	3774990	1.93E-08	3YrCancerF	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	478320.4	3774990	2.02E-08	3YrCancerF	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	478370.4	3774990	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	478420.4	3774990	2.21E-08	3YrCancerF	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	478470.4	3774990	2.31E-08	3YrCancerF	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	478520.4	3774990	2.42E-08	3YrCancerF	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	478570.4	3774990	2.53E-08	3YrCancerF	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	478620.4	3774990	2.65E-08	3YrCancerF	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	478670.4	3774990	2.77E-08	3YrCancerF	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	478720.4	3774990	2.89E-08	3YrCancerF	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	478770.4	3774990	3.01E-08	3YrCancerF	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	478820.4	3774990	3.13E-08	3YrCancerF	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	478870.4	3774990	3.25E-08	3YrCancerF	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	478920.4	3774990	3.37E-08	3YrCancerF	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	478970.4	3774990	3.48E-08	3YrCancerF	3.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	479020.4	3774990	3.58E-08	3YrCancerF	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	479070.4	3774990	3.68E-08	3YrCancerF	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	479120.4	3774990	3.76E-08	3YrCancerF	3.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	479170.4	3774990	3.82E-08	3YrCancerF	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	479220.4	3774990	3.87E-08	3YrCancerF	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	479270.4	3774990	3.90E-08	3YrCancerF	3.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	479320.4	3774990	3.91E-08	3YrCancerF	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	479370.4	3774990	3.91E-08	3YrCancerF	3.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	479420.4	3774990	3.88E-08	3YrCancerF	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	479470.4	3774990	3.84E-08	3YrCancerF	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	479520.4	3774990	3.78E-08	3YrCancerF	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	479570.4	3774990	3.71E-08	3YrCancerF	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	479620.4	3774990	3.62E-08	3YrCancerF	3.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	479670.4	3774990	3.23E-08	3YrCancerF	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	479720.4	3774990	2.86E-08	3YrCancerF	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	479770.4	3774990	2.73E-08	3YrCancerF	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
514	ALL	479820.4	3774990	2.62E-08	3YrCancerF	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	479870.4	3774990	2.54E-08	3YrCancerF	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	479920.4	3774990	2.39E-08	3YrCancerF	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	479970.4	3774990	2.32E-08	3YrCancerF	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	477970.4	3775040	1.44E-08	3YrCancerF	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	478020.4	3775040	1.50E-08	3YrCancerF	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	478070.4	3775040	1.57E-08	3YrCancerF	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	478120.4	3775040	1.63E-08	3YrCancerF	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	478170.4	3775040	1.70E-08	3YrCancerF	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	478220.4	3775040	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	478270.4	3775040	1.86E-08	3YrCancerF	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	478320.4	3775040	1.94E-08	3YrCancerF	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	478370.4	3775040	2.02E-08	3YrCancerF	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

527	ALL	478420.4	3775040	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	478470.4	3775040	2.20E-08	3YrCancerF	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	478520.4	3775040	2.30E-08	3YrCancerF	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	478570.4	3775040	2.40E-08	3YrCancerF	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	478620.4	3775040	2.50E-08	3YrCancerF	2.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
532	ALL	478670.4	3775040	2.60E-08	3YrCancerF	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	478720.4	3775040	2.71E-08	3YrCancerF	2.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	478770.4	3775040	2.81E-08	3YrCancerF	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	478820.4	3775040	2.92E-08	3YrCancerF	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	478870.4	3775040	3.02E-08	3YrCancerF	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	478920.4	3775040	3.12E-08	3YrCancerF	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	478970.4	3775040	3.21E-08	3YrCancerF	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	479020.4	3775040	3.30E-08	3YrCancerF	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	479070.4	3775040	3.38E-08	3YrCancerF	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	479120.4	3775040	3.44E-08	3YrCancerF	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	479170.4	3775040	3.50E-08	3YrCancerF	3.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	479220.4	3775040	3.54E-08	3YrCancerF	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	479270.4	3775040	3.56E-08	3YrCancerF	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	479320.4	3775040	3.57E-08	3YrCancerF	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	479370.4	3775040	3.57E-08	3YrCancerF	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	479420.4	3775040	3.55E-08	3YrCancerF	3.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	479470.4	3775040	3.51E-08	3YrCancerF	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	479520.4	3775040	3.47E-08	3YrCancerF	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	479570.4	3775040	3.41E-08	3YrCancerF	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	479620.4	3775040	3.34E-08	3YrCancerF	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	479670.4	3775040	3.02E-08	3YrCancerF	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	479720.4	3775040	2.65E-08	3YrCancerF	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	479770.4	3775040	2.57E-08	3YrCancerF	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	479820.4	3775040	2.43E-08	3YrCancerF	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	479870.4	3775040	2.37E-08	3YrCancerF	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	479920.4	3775040	2.23E-08	3YrCancerF	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	479970.4	3775040	2.17E-08	3YrCancerF	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	477970.4	3775090	1.40E-08	3YrCancerF	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	478020.4	3775090	1.46E-08	3YrCancerF	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	478070.4	3775090	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	478120.4	3775090	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	478170.4	3775090	1.64E-08	3YrCancerF	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	478220.4	3775090	1.71E-08	3YrCancerF	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	478270.4	3775090	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
566	ALL	478320.4	3775090	1.86E-08	3YrCancerF	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	478370.4	3775090	1.93E-08	3YrCancerF	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	478420.4	3775090	2.01E-08	3YrCancerF	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	478470.4	3775090	2.10E-08	3YrCancerF	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	478520.4	3775090	2.18E-08	3YrCancerF	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

571	ALL	478570.4	3775090	2.27E-08	3YrCancerF	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	478620.4	3775090	2.36E-08	3YrCancerF	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	478670.4	3775090	2.45E-08	3YrCancerF	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	478720.4	3775090	2.54E-08	3YrCancerF	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	478770.4	3775090	2.63E-08	3YrCancerF	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	478820.4	3775090	2.72E-08	3YrCancerF	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	478870.4	3775090	2.81E-08	3YrCancerF	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	478920.4	3775090	2.90E-08	3YrCancerF	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	478970.4	3775090	2.97E-08	3YrCancerF	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	479020.4	3775090	3.05E-08	3YrCancerF	3.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	479070.4	3775090	3.11E-08	3YrCancerF	3.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	479120.4	3775090	3.17E-08	3YrCancerF	3.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	479170.4	3775090	3.21E-08	3YrCancerF	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	479220.4	3775090	3.25E-08	3YrCancerF	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	479270.4	3775090	3.27E-08	3YrCancerF	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	479320.4	3775090	3.28E-08	3YrCancerF	3.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	479370.4	3775090	3.27E-08	3YrCancerF	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	479420.4	3775090	3.26E-08	3YrCancerF	3.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	479470.4	3775090	3.23E-08	3YrCancerF	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	479520.4	3775090	3.19E-08	3YrCancerF	3.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	479570.4	3775090	3.14E-08	3YrCancerF	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	479620.4	3775090	3.08E-08	3YrCancerF	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	479670.4	3775090	3.02E-08	3YrCancerF	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	479720.4	3775090	2.46E-08	3YrCancerF	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	479770.4	3775090	2.32E-08	3YrCancerF	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	479820.4	3775090	2.27E-08	3YrCancerF	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	479870.4	3775090	2.19E-08	3YrCancerF	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	479920.4	3775090	2.09E-08	3YrCancerF	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	479970.4	3775090	2.03E-08	3YrCancerF	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	477970.4	3775140	1.36E-08	3YrCancerF	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	478020.4	3775140	1.41E-08	3YrCancerF	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	478070.4	3775140	1.47E-08	3YrCancerF	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	478120.4	3775140	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	478170.4	3775140	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	478220.4	3775140	1.65E-08	3YrCancerF	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	478270.4	3775140	1.71E-08	3YrCancerF	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	478320.4	3775140	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	478370.4	3775140	1.85E-08	3YrCancerF	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	478420.4	3775140	1.92E-08	3YrCancerF	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	478470.4	3775140	2.00E-08	3YrCancerF	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	478520.4	3775140	2.07E-08	3YrCancerF	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	478570.4	3775140	2.15E-08	3YrCancerF	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	478620.4	3775140	2.23E-08	3YrCancerF	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	478670.4	3775140	2.31E-08	3YrCancerF	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

615	ALL	478720.4	3775140	2.39E-08	3YrCancerF	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	478770.4	3775140	2.47E-08	3YrCancerF	2.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	478820.4	3775140	2.55E-08	3YrCancerF	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	478870.4	3775140	2.62E-08	3YrCancerF	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	478920.4	3775140	2.70E-08	3YrCancerF	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	478970.4	3775140	2.76E-08	3YrCancerF	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	479020.4	3775140	2.83E-08	3YrCancerF	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	479070.4	3775140	2.88E-08	3YrCancerF	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	479120.4	3775140	2.93E-08	3YrCancerF	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	479170.4	3775140	2.97E-08	3YrCancerF	2.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	479220.4	3775140	3.00E-08	3YrCancerF	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	479270.4	3775140	3.01E-08	3YrCancerF	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	479320.4	3775140	3.02E-08	3YrCancerF	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	479370.4	3775140	3.02E-08	3YrCancerF	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	479420.4	3775140	3.01E-08	3YrCancerF	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	479470.4	3775140	2.98E-08	3YrCancerF	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	479520.4	3775140	2.95E-08	3YrCancerF	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	479570.4	3775140	2.91E-08	3YrCancerF	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	479620.4	3775140	2.86E-08	3YrCancerF	2.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	479670.4	3775140	2.81E-08	3YrCancerF	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	479720.4	3775140	2.29E-08	3YrCancerF	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	479770.4	3775140	2.16E-08	3YrCancerF	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	479820.4	3775140	2.12E-08	3YrCancerF	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	479870.4	3775140	2.04E-08	3YrCancerF	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	479920.4	3775140	1.96E-08	3YrCancerF	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	479970.4	3775140	1.89E-08	3YrCancerF	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	477970.4	3775190	1.32E-08	3YrCancerF	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	478020.4	3775190	1.37E-08	3YrCancerF	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	478070.4	3775190	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	478120.4	3775190	1.47E-08	3YrCancerF	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	478170.4	3775190	1.53E-08	3YrCancerF	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	478220.4	3775190	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	478270.4	3775190	1.64E-08	3YrCancerF	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	478320.4	3775190	1.71E-08	3YrCancerF	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	478370.4	3775190	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	478420.4	3775190	1.83E-08	3YrCancerF	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	478470.4	3775190	1.90E-08	3YrCancerF	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	478520.4	3775190	1.97E-08	3YrCancerF	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	478570.4	3775190	2.04E-08	3YrCancerF	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	478620.4	3775190	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	478670.4	3775190	2.18E-08	3YrCancerF	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	478720.4	3775190	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	478770.4	3775190	2.32E-08	3YrCancerF	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	478820.4	3775190	2.39E-08	3YrCancerF	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

659	ALL	478870.4	3775190	2.45E-08	3YrCancerF	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	478920.4	3775190	2.52E-08	3YrCancerF	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	478970.4	3775190	2.58E-08	3YrCancerF	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	479020.4	3775190	2.63E-08	3YrCancerF	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	479070.4	3775190	2.68E-08	3YrCancerF	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	479120.4	3775190	2.72E-08	3YrCancerF	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	479170.4	3775190	2.75E-08	3YrCancerF	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	479220.4	3775190	2.77E-08	3YrCancerF	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	479270.4	3775190	2.79E-08	3YrCancerF	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	479320.4	3775190	2.80E-08	3YrCancerF	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	479370.4	3775190	2.79E-08	3YrCancerF	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	479420.4	3775190	2.78E-08	3YrCancerF	2.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	479470.4	3775190	2.76E-08	3YrCancerF	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	479520.4	3775190	2.74E-08	3YrCancerF	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	479570.4	3775190	2.70E-08	3YrCancerF	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	479620.4	3775190	2.66E-08	3YrCancerF	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	479670.4	3775190	2.61E-08	3YrCancerF	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	479720.4	3775190	2.13E-08	3YrCancerF	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	479770.4	3775190	2.02E-08	3YrCancerF	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	479820.4	3775190	1.98E-08	3YrCancerF	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	479870.4	3775190	1.88E-08	3YrCancerF	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL	479920.4	3775190	1.84E-08	3YrCancerF	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL	479970.4	3775190	1.76E-08	3YrCancerF	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL	477970.4	3775240	1.28E-08	3YrCancerF	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL	478020.4	3775240	1.32E-08	3YrCancerF	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL	478070.4	3775240	1.37E-08	3YrCancerF	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL	478120.4	3775240	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL	478170.4	3775240	1.47E-08	3YrCancerF	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL	478220.4	3775240	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	478270.4	3775240	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
689	ALL	478320.4	3775240	1.64E-08	3YrCancerF	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	478370.4	3775240	1.69E-08	3YrCancerF	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	478420.4	3775240	1.75E-08	3YrCancerF	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	478470.4	3775240	1.81E-08	3YrCancerF	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	478520.4	3775240	1.87E-08	3YrCancerF	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	478570.4	3775240	1.94E-08	3YrCancerF	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	478620.4	3775240	2.00E-08	3YrCancerF	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	478670.4	3775240	2.06E-08	3YrCancerF	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	478720.4	3775240	2.12E-08	3YrCancerF	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	478770.4	3775240	2.18E-08	3YrCancerF	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	478820.4	3775240	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	478870.4	3775240	2.30E-08	3YrCancerF	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	478920.4	3775240	2.36E-08	3YrCancerF	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	478970.4	3775240	2.41E-08	3YrCancerF	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

703	ALL	479020.4	3775240	2.45E-08	3YrCancerF	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	479070.4	3775240	2.49E-08	3YrCancerF	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	479120.4	3775240	2.53E-08	3YrCancerF	2.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	479170.4	3775240	2.56E-08	3YrCancerF	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	479220.4	3775240	2.58E-08	3YrCancerF	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	479270.4	3775240	2.59E-08	3YrCancerF	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	479320.4	3775240	2.60E-08	3YrCancerF	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	479370.4	3775240	2.59E-08	3YrCancerF	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	479420.4	3775240	2.59E-08	3YrCancerF	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	479470.4	3775240	2.57E-08	3YrCancerF	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	479520.4	3775240	2.55E-08	3YrCancerF	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	479570.4	3775240	2.52E-08	3YrCancerF	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL	479620.4	3775240	2.48E-08	3YrCancerF	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL	479670.4	3775240	2.27E-08	3YrCancerF	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL	479720.4	3775240	2.00E-08	3YrCancerF	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL	479770.4	3775240	1.90E-08	3YrCancerF	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL	479820.4	3775240	1.86E-08	3YrCancerF	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	479870.4	3775240	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	479920.4	3775240	1.73E-08	3YrCancerF	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	479970.4	3775240	1.66E-08	3YrCancerF	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	477970.4	3775290	1.24E-08	3YrCancerF	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	478020.4	3775290	1.28E-08	3YrCancerF	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	478070.4	3775290	1.33E-08	3YrCancerF	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	478120.4	3775290	1.37E-08	3YrCancerF	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	478170.4	3775290	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	478220.4	3775290	1.47E-08	3YrCancerF	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	478270.4	3775290	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	478320.4	3775290	1.57E-08	3YrCancerF	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	478370.4	3775290	1.62E-08	3YrCancerF	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	478420.4	3775290	1.68E-08	3YrCancerF	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	478470.4	3775290	1.73E-08	3YrCancerF	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	478520.4	3775290	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	478570.4	3775290	1.84E-08	3YrCancerF	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	478620.4	3775290	1.90E-08	3YrCancerF	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	478670.4	3775290	1.95E-08	3YrCancerF	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	478720.4	3775290	2.01E-08	3YrCancerF	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	478770.4	3775290	2.06E-08	3YrCancerF	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	478820.4	3775290	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	478870.4	3775290	2.16E-08	3YrCancerF	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	478920.4	3775290	2.21E-08	3YrCancerF	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	478970.4	3775290	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	479020.4	3775290	2.29E-08	3YrCancerF	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL	479070.4	3775290	2.33E-08	3YrCancerF	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL	479120.4	3775290	2.36E-08	3YrCancerF	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

747	ALL	479170.4	3775290	2.38E-08	3YrCancerF	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL	479220.4	3775290	2.40E-08	3YrCancerF	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL	479270.4	3775290	2.41E-08	3YrCancerF	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL	479320.4	3775290	2.42E-08	3YrCancerF	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	479370.4	3775290	2.42E-08	3YrCancerF	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	479420.4	3775290	2.41E-08	3YrCancerF	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	479470.4	3775290	2.40E-08	3YrCancerF	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	479520.4	3775290	2.38E-08	3YrCancerF	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	479570.4	3775290	2.35E-08	3YrCancerF	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	479620.4	3775290	2.32E-08	3YrCancerF	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	479670.4	3775290	2.09E-08	3YrCancerF	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	479720.4	3775290	1.85E-08	3YrCancerF	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	479770.4	3775290	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	479820.4	3775290	1.75E-08	3YrCancerF	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	479870.4	3775290	1.67E-08	3YrCancerF	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	479920.4	3775290	1.63E-08	3YrCancerF	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	479970.4	3775290	1.56E-08	3YrCancerF	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	477970.4	3775340	1.20E-08	3YrCancerF	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	478020.4	3775340	1.24E-08	3YrCancerF	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	478070.4	3775340	1.28E-08	3YrCancerF	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	478120.4	3775340	1.32E-08	3YrCancerF	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	478170.4	3775340	1.37E-08	3YrCancerF	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	478220.4	3775340	1.41E-08	3YrCancerF	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	478270.4	3775340	1.46E-08	3YrCancerF	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	478320.4	3775340	1.50E-08	3YrCancerF	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	478370.4	3775340	1.55E-08	3YrCancerF	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	478420.4	3775340	1.60E-08	3YrCancerF	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	478470.4	3775340	1.65E-08	3YrCancerF	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL	478520.4	3775340	1.70E-08	3YrCancerF	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL	478570.4	3775340	1.75E-08	3YrCancerF	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL	478620.4	3775340	1.80E-08	3YrCancerF	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL	478670.4	3775340	1.85E-08	3YrCancerF	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL	478720.4	3775340	1.90E-08	3YrCancerF	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL	478770.4	3775340	1.95E-08	3YrCancerF	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL	478820.4	3775340	1.99E-08	3YrCancerF	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	478870.4	3775340	2.04E-08	3YrCancerF	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	478920.4	3775340	2.08E-08	3YrCancerF	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	478970.4	3775340	2.12E-08	3YrCancerF	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	479020.4	3775340	2.15E-08	3YrCancerF	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	479070.4	3775340	2.18E-08	3YrCancerF	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	479120.4	3775340	2.21E-08	3YrCancerF	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	479170.4	3775340	2.23E-08	3YrCancerF	2.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	479220.4	3775340	2.24E-08	3YrCancerF	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	479270.4	3775340	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

791	ALL	479320.4	3775340	2.26E-08	3YrCancerF	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	479370.4	3775340	2.26E-08	3YrCancerF	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	479420.4	3775340	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	479470.4	3775340	2.24E-08	3YrCancerF	2.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	479520.4	3775340	2.22E-08	3YrCancerF	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	479570.4	3775340	2.20E-08	3YrCancerF	2.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	479620.4	3775340	2.18E-08	3YrCancerF	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	479670.4	3775340	1.96E-08	3YrCancerF	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	479720.4	3775340	1.74E-08	3YrCancerF	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	479770.4	3775340	1.68E-08	3YrCancerF	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	479820.4	3775340	1.65E-08	3YrCancerF	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	479870.4	3775340	1.57E-08	3YrCancerF	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	479920.4	3775340	1.54E-08	3YrCancerF	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	479970.4	3775340	1.47E-08	3YrCancerF	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	477970.4	3775390	1.16E-08	3YrCancerF	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL	478020.4	3775390	1.20E-08	3YrCancerF	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL	478070.4	3775390	1.24E-08	3YrCancerF	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL	478120.4	3775390	1.28E-08	3YrCancerF	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL	478170.4	3775390	1.32E-08	3YrCancerF	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL	478220.4	3775390	1.36E-08	3YrCancerF	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL	478270.4	3775390	1.40E-08	3YrCancerF	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	478320.4	3775390	1.44E-08	3YrCancerF	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	478370.4	3775390	1.49E-08	3YrCancerF	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	478420.4	3775390	1.53E-08	3YrCancerF	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	478470.4	3775390	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	478520.4	3775390	1.62E-08	3YrCancerF	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	478570.4	3775390	1.67E-08	3YrCancerF	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	478620.4	3775390	1.71E-08	3YrCancerF	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	478670.4	3775390	1.76E-08	3YrCancerF	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	478720.4	3775390	1.80E-08	3YrCancerF	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	478770.4	3775390	1.84E-08	3YrCancerF	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	478820.4	3775390	1.88E-08	3YrCancerF	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	478870.4	3775390	1.92E-08	3YrCancerF	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	478920.4	3775390	1.96E-08	3YrCancerF	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	478970.4	3775390	1.99E-08	3YrCancerF	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	479020.4	3775390	2.02E-08	3YrCancerF	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	479070.4	3775390	2.05E-08	3YrCancerF	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	479120.4	3775390	2.07E-08	3YrCancerF	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	479170.4	3775390	2.09E-08	3YrCancerF	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	479220.4	3775390	2.10E-08	3YrCancerF	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	479270.4	3775390	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	479320.4	3775390	2.12E-08	3YrCancerF	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	479370.4	3775390	2.12E-08	3YrCancerF	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	479420.4	3775390	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

835	ALL	479470.4	3775390	2.10E-08	3YrCancerF	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL	479520.4	3775390	2.09E-08	3YrCancerF	2.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL	479570.4	3775390	2.07E-08	3YrCancerF	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL	479620.4	3775390	2.00E-08	3YrCancerF	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL	479670.4	3775390	1.68E-08	3YrCancerF	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL	479720.4	3775390	1.64E-08	3YrCancerF	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
841	ALL	479770.4	3775390	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	479820.4	3775390	1.53E-08	3YrCancerF	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	479870.4	3775390	1.49E-08	3YrCancerF	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
844	ALL	479920.4	3775390	1.43E-08	3YrCancerF	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	479970.4	3775390	1.40E-08	3YrCancerF	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	477970.4	3775440	1.13E-08	3YrCancerF	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	478020.4	3775440	1.16E-08	3YrCancerF	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	478070.4	3775440	1.20E-08	3YrCancerF	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	478120.4	3775440	1.23E-08	3YrCancerF	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	478170.4	3775440	1.27E-08	3YrCancerF	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	478220.4	3775440	1.31E-08	3YrCancerF	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	478270.4	3775440	1.35E-08	3YrCancerF	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	478320.4	3775440	1.39E-08	3YrCancerF	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	478370.4	3775440	1.43E-08	3YrCancerF	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	478420.4	3775440	1.47E-08	3YrCancerF	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	478470.4	3775440	1.51E-08	3YrCancerF	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	478520.4	3775440	1.55E-08	3YrCancerF	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	478570.4	3775440	1.59E-08	3YrCancerF	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	478620.4	3775440	1.63E-08	3YrCancerF	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	478670.4	3775440	1.67E-08	3YrCancerF	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	478720.4	3775440	1.71E-08	3YrCancerF	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	478770.4	3775440	1.75E-08	3YrCancerF	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	478820.4	3775440	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	478870.4	3775440	1.82E-08	3YrCancerF	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	478920.4	3775440	1.85E-08	3YrCancerF	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	478970.4	3775440	1.88E-08	3YrCancerF	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	479020.4	3775440	1.91E-08	3YrCancerF	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	479070.4	3775440	1.93E-08	3YrCancerF	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	479120.4	3775440	1.95E-08	3YrCancerF	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	479170.4	3775440	1.96E-08	3YrCancerF	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	479220.4	3775440	1.98E-08	3YrCancerF	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	479270.4	3775440	1.98E-08	3YrCancerF	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	479320.4	3775440	1.99E-08	3YrCancerF	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	479370.4	3775440	1.99E-08	3YrCancerF	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	479420.4	3775440	1.98E-08	3YrCancerF	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	479470.4	3775440	1.98E-08	3YrCancerF	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	479520.4	3775440	1.96E-08	3YrCancerF	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	479570.4	3775440	1.95E-08	3YrCancerF	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

879	ALL	479620.4	3775440	1.88E-08	3YrCancerF	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	479670.4	3775440	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	479720.4	3775440	1.53E-08	3YrCancerF	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	479770.4	3775440	1.49E-08	3YrCancerF	1.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	479820.4	3775440	1.43E-08	3YrCancerF	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	479870.4	3775440	1.40E-08	3YrCancerF	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	479920.4	3775440	1.35E-08	3YrCancerF	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	479970.4	3775440	1.32E-08	3YrCancerF	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	477970.4	3775490	1.09E-08	3YrCancerF	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	478020.4	3775490	1.13E-08	3YrCancerF	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	478070.4	3775490	1.16E-08	3YrCancerF	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL	478120.4	3775490	1.19E-08	3YrCancerF	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	478170.4	3775490	1.23E-08	3YrCancerF	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	478220.4	3775490	1.26E-08	3YrCancerF	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	478270.4	3775490	1.30E-08	3YrCancerF	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	478320.4	3775490	1.33E-08	3YrCancerF	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	478370.4	3775490	1.37E-08	3YrCancerF	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	478420.4	3775490	1.41E-08	3YrCancerF	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	478470.4	3775490	1.44E-08	3YrCancerF	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	478520.4	3775490	1.48E-08	3YrCancerF	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	478570.4	3775490	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	478620.4	3775490	1.55E-08	3YrCancerF	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	478670.4	3775490	1.59E-08	3YrCancerF	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL	478720.4	3775490	1.62E-08	3YrCancerF	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	478770.4	3775490	1.66E-08	3YrCancerF	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	478820.4	3775490	1.69E-08	3YrCancerF	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	478870.4	3775490	1.72E-08	3YrCancerF	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	478920.4	3775490	1.75E-08	3YrCancerF	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	478970.4	3775490	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	479020.4	3775490	1.80E-08	3YrCancerF	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	479070.4	3775490	1.82E-08	3YrCancerF	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	479120.4	3775490	1.84E-08	3YrCancerF	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	479170.4	3775490	1.85E-08	3YrCancerF	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	479220.4	3775490	1.86E-08	3YrCancerF	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	479270.4	3775490	1.87E-08	3YrCancerF	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL	479320.4	3775490	1.87E-08	3YrCancerF	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	479370.4	3775490	1.87E-08	3YrCancerF	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	479420.4	3775490	1.87E-08	3YrCancerF	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	479470.4	3775490	1.86E-08	3YrCancerF	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	479520.4	3775490	1.85E-08	3YrCancerF	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	479570.4	3775490	1.84E-08	3YrCancerF	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	479620.4	3775490	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	479670.4	3775490	1.50E-08	3YrCancerF	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	479720.4	3775490	1.43E-08	3YrCancerF	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

923	ALL	479770.4	3775490	1.41E-08	3YrCancerF	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	479820.4	3775490	1.35E-08	3YrCancerF	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	479870.4	3775490	1.32E-08	3YrCancerF	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL	479920.4	3775490	1.28E-08	3YrCancerF	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL	479970.4	3775490	1.25E-08	3YrCancerF	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	477970.4	3775540	1.06E-08	3YrCancerF	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	478020.4	3775540	1.09E-08	3YrCancerF	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	478070.4	3775540	1.12E-08	3YrCancerF	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	478120.4	3775540	1.15E-08	3YrCancerF	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	478170.4	3775540	1.18E-08	3YrCancerF	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	478220.4	3775540	1.22E-08	3YrCancerF	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	478270.4	3775540	1.25E-08	3YrCancerF	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	478320.4	3775540	1.28E-08	3YrCancerF	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	478370.4	3775540	1.31E-08	3YrCancerF	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	478420.4	3775540	1.35E-08	3YrCancerF	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL	478470.4	3775540	1.38E-08	3YrCancerF	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
939	ALL	478520.4	3775540	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	478570.4	3775540	1.45E-08	3YrCancerF	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
941	ALL	478620.4	3775540	1.48E-08	3YrCancerF	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	478670.4	3775540	1.51E-08	3YrCancerF	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	478720.4	3775540	1.55E-08	3YrCancerF	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	478770.4	3775540	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	478820.4	3775540	1.61E-08	3YrCancerF	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	478870.4	3775540	1.63E-08	3YrCancerF	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	478920.4	3775540	1.66E-08	3YrCancerF	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	478970.4	3775540	1.68E-08	3YrCancerF	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	479020.4	3775540	1.70E-08	3YrCancerF	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	479070.4	3775540	1.72E-08	3YrCancerF	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	479120.4	3775540	1.74E-08	3YrCancerF	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	479170.4	3775540	1.75E-08	3YrCancerF	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	479220.4	3775540	1.76E-08	3YrCancerF	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	479270.4	3775540	1.76E-08	3YrCancerF	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	479320.4	3775540	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	479370.4	3775540	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	479420.4	3775540	1.76E-08	3YrCancerF	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	479470.4	3775540	1.76E-08	3YrCancerF	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	479520.4	3775540	1.75E-08	3YrCancerF	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	479570.4	3775540	1.74E-08	3YrCancerF	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	479620.4	3775540	1.68E-08	3YrCancerF	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	479670.4	3775540	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	479720.4	3775540	1.35E-08	3YrCancerF	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	479770.4	3775540	1.31E-08	3YrCancerF	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	479820.4	3775540	1.28E-08	3YrCancerF	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	479870.4	3775540	1.23E-08	3YrCancerF	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

967	ALL		479920.4	3775540	1.21E-08	3YrCancerF	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL		479970.4	3775540	1.17E-08	3YrCancerF	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL		478861.4	3774619	6.06E-08	3YrCancerF	6.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL		478791.5	3774518	6.39E-08	3YrCancerF	6.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL		478789.7	3774444	7.16E-08	3YrCancerF	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL		478748.8	3774450	6.50E-08	3YrCancerF	6.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL		479103.5	3774681	7.22E-08	3YrCancerF	7.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL		479094.5	3774696	6.89E-08	3YrCancerF	6.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL		479077.3	3774697	6.77E-08	3YrCancerF	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL		479101.5	3774732	6.35E-08	3YrCancerF	6.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL		479782.9	3774152	2.63E-07	3YrCancerF	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	School	479890.1	3774169	2.13E-07	3YrCancerF	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	School	479890.1	3774137	2.00E-07	3YrCancerF	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL		479913.7	3774138	1.90E-07	3YrCancerF	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL		479911.2	3774168	2.04E-07	3YrCancerF	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL		479885.8	3774065	1.95E-07	3YrCancerF	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL		480398.5	3774179	1.65E-07	3YrCancerF	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL		480448.5	3774179	1.65E-07	3YrCancerF	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL		480498.5	3774179	1.49E-07	3YrCancerF	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL		479998.5	3774229	1.80E-07	3YrCancerF	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL		480048.5	3774229	1.66E-07	3YrCancerF	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL		480098.5	3774229	1.55E-07	3YrCancerF	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL		480148.5	3774229	1.44E-07	3YrCancerF	1.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL		480198.5	3774229	1.34E-07	3YrCancerF	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL		480248.5	3774229	1.26E-07	3YrCancerF	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL		480298.5	3774229	1.19E-07	3YrCancerF	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL		480348.5	3774229	1.13E-07	3YrCancerF	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL		480398.5	3774229	1.07E-07	3YrCancerF	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL		480448.5	3774229	1.02E-07	3YrCancerF	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL		480498.5	3774229	9.72E-08	3YrCancerF	9.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL		479998.5	3774279	1.26E-07	3YrCancerF	1.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL		480048.5	3774279	1.19E-07	3YrCancerF	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL		480098.5	3774279	1.12E-07	3YrCancerF	1.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL		480148.5	3774279	1.06E-07	3YrCancerF	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL		480198.5	3774279	1.01E-07	3YrCancerF	1.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL		480248.5	3774279	9.55E-08	3YrCancerF	9.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL		480298.5	3774279	9.13E-08	3YrCancerF	9.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL		480348.5	3774279	8.74E-08	3YrCancerF	8.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL		480398.5	3774279	8.37E-08	3YrCancerF	8.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL		480448.5	3774279	8.01E-08	3YrCancerF	8.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL		480498.5	3774279	7.69E-08	3YrCancerF	7.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL		479998.5	3774329	9.73E-08	3YrCancerF	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL		480048.5	3774329	9.22E-08	3YrCancerF	9.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL		480098.5	3774329	8.75E-08	3YrCancerF	8.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1011	ALL	480148.5	3774329	8.35E-08	3YrCancerF	8.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	480198.5	3774329	7.97E-08	3YrCancerF	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	480248.5	3774329	7.64E-08	3YrCancerF	7.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	480298.5	3774329	7.33E-08	3YrCancerF	7.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	480348.5	3774329	7.05E-08	3YrCancerF	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	480398.5	3774329	6.79E-08	3YrCancerF	6.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	480448.5	3774329	6.54E-08	3YrCancerF	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	480498.5	3774329	6.32E-08	3YrCancerF	6.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	479998.5	3774379	7.80E-08	3YrCancerF	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	480048.5	3774379	7.42E-08	3YrCancerF	7.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	480098.5	3774379	7.05E-08	3YrCancerF	7.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	480148.5	3774379	6.77E-08	3YrCancerF	6.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	480198.5	3774379	6.46E-08	3YrCancerF	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	480248.5	3774379	6.23E-08	3YrCancerF	6.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	480298.5	3774379	5.99E-08	3YrCancerF	5.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	480348.5	3774379	5.79E-08	3YrCancerF	5.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	480398.5	3774379	5.60E-08	3YrCancerF	5.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	480448.5	3774379	5.41E-08	3YrCancerF	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	480498.5	3774379	5.25E-08	3YrCancerF	5.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	479998.5	3774429	6.49E-08	3YrCancerF	6.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	480048.5	3774429	6.11E-08	3YrCancerF	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	480098.5	3774429	5.85E-08	3YrCancerF	5.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1033	ALL	480148.5	3774429	5.59E-08	3YrCancerF	5.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	480198.5	3774429	5.36E-08	3YrCancerF	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	480248.5	3774429	5.18E-08	3YrCancerF	5.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	480298.5	3774429	4.99E-08	3YrCancerF	4.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	480348.5	3774429	4.83E-08	3YrCancerF	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	480398.5	3774429	4.66E-08	3YrCancerF	4.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	480448.5	3774429	4.53E-08	3YrCancerF	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	480498.5	3774429	4.41E-08	3YrCancerF	4.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	479998.5	3774479	5.55E-08	3YrCancerF	5.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	480048.5	3774479	5.22E-08	3YrCancerF	5.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	480098.5	3774479	5.00E-08	3YrCancerF	5.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	480148.5	3774479	4.76E-08	3YrCancerF	4.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	480198.5	3774479	4.57E-08	3YrCancerF	4.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	480248.5	3774479	4.42E-08	3YrCancerF	4.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	480298.5	3774479	4.22E-08	3YrCancerF	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	480348.5	3774479	4.11E-08	3YrCancerF	4.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	480398.5	3774479	3.95E-08	3YrCancerF	3.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	480448.5	3774479	3.86E-08	3YrCancerF	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	480498.5	3774479	3.74E-08	3YrCancerF	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	479998.5	3774529	4.86E-08	3YrCancerF	4.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	480048.5	3774529	4.60E-08	3YrCancerF	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	480098.5	3774529	4.39E-08	3YrCancerF	4.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1055	ALL	480148.5	3774529	4.14E-08	3YrCancerF	4.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	480198.5	3774529	3.99E-08	3YrCancerF	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	480248.5	3774529	3.85E-08	3YrCancerF	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	480298.5	3774529	3.68E-08	3YrCancerF	3.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	480348.5	3774529	3.57E-08	3YrCancerF	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	480398.5	3774529	3.43E-08	3YrCancerF	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	480448.5	3774529	3.34E-08	3YrCancerF	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	480498.5	3774529	3.23E-08	3YrCancerF	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	479998.5	3774579	4.34E-08	3YrCancerF	4.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	480048.5	3774579	4.13E-08	3YrCancerF	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	480098.5	3774579	3.87E-08	3YrCancerF	3.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	480148.5	3774579	3.71E-08	3YrCancerF	3.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	480198.5	3774579	3.57E-08	3YrCancerF	3.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	480248.5	3774579	3.38E-08	3YrCancerF	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	480298.5	3774579	3.27E-08	3YrCancerF	3.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	480348.5	3774579	3.13E-08	3YrCancerF	3.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1071	ALL	480398.5	3774579	3.04E-08	3YrCancerF	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	480448.5	3774579	2.94E-08	3YrCancerF	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	480498.5	3774579	2.85E-08	3YrCancerF	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	479998.5	3774629	3.94E-08	3YrCancerF	3.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	480048.5	3774629	3.74E-08	3YrCancerF	3.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	480098.5	3774629	3.51E-08	3YrCancerF	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	480148.5	3774629	3.37E-08	3YrCancerF	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	480198.5	3774629	3.20E-08	3YrCancerF	3.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	480248.5	3774629	3.06E-08	3YrCancerF	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	480298.5	3774629	2.92E-08	3YrCancerF	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	480348.5	3774629	2.82E-08	3YrCancerF	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	480398.5	3774629	2.74E-08	3YrCancerF	2.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	480448.5	3774629	2.62E-08	3YrCancerF	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	480498.5	3774629	2.54E-08	3YrCancerF	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	479998.5	3774679	3.61E-08	3YrCancerF	3.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	480048.5	3774679	3.42E-08	3YrCancerF	3.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	480098.5	3774679	3.22E-08	3YrCancerF	3.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	480148.5	3774679	3.08E-08	3YrCancerF	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	480198.5	3774679	2.91E-08	3YrCancerF	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	480248.5	3774679	2.80E-08	3YrCancerF	2.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	480298.5	3774679	2.66E-08	3YrCancerF	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	480348.5	3774679	2.58E-08	3YrCancerF	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	480398.5	3774679	2.46E-08	3YrCancerF	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	480448.5	3774679	2.39E-08	3YrCancerF	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	480498.5	3774679	2.30E-08	3YrCancerF	2.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	479998.5	3774729	3.32E-08	3YrCancerF	3.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	480048.5	3774729	3.12E-08	3YrCancerF	3.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	480098.5	3774729	2.98E-08	3YrCancerF	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1099	ALL	480148.5	3774729	2.82E-08	3YrCancerF	2.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	480198.5	3774729	2.69E-08	3YrCancerF	2.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	480248.5	3774729	2.55E-08	3YrCancerF	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	480298.5	3774729	2.46E-08	3YrCancerF	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	480348.5	3774729	2.37E-08	3YrCancerF	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	480398.5	3774729	2.27E-08	3YrCancerF	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	480448.5	3774729	2.19E-08	3YrCancerF	2.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	480498.5	3774729	2.12E-08	3YrCancerF	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	479998.5	3774779	3.07E-08	3YrCancerF	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	480048.5	3774779	2.88E-08	3YrCancerF	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	480098.5	3774779	2.76E-08	3YrCancerF	2.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	480148.5	3774779	2.62E-08	3YrCancerF	2.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	480198.5	3774779	2.48E-08	3YrCancerF	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	480248.5	3774779	2.37E-08	3YrCancerF	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	480298.5	3774779	2.29E-08	3YrCancerF	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	480348.5	3774779	2.18E-08	3YrCancerF	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	480398.5	3774779	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	480448.5	3774779	2.03E-08	3YrCancerF	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	480498.5	3774779	1.97E-08	3YrCancerF	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	479998.5	3774829	2.85E-08	3YrCancerF	2.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	480048.5	3774829	2.67E-08	3YrCancerF	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	480098.5	3774829	2.57E-08	3YrCancerF	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1121	ALL	480148.5	3774829	2.44E-08	3YrCancerF	2.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	480198.5	3774829	2.32E-08	3YrCancerF	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	480248.5	3774829	2.21E-08	3YrCancerF	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	480298.5	3774829	2.14E-08	3YrCancerF	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	480348.5	3774829	2.04E-08	3YrCancerF	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	480398.5	3774829	1.98E-08	3YrCancerF	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	480448.5	3774829	1.89E-08	3YrCancerF	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	480498.5	3774829	1.83E-08	3YrCancerF	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	479998.5	3774879	2.61E-08	3YrCancerF	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	480048.5	3774879	2.49E-08	3YrCancerF	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	480098.5	3774879	2.40E-08	3YrCancerF	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	480148.5	3774879	2.28E-08	3YrCancerF	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	480198.5	3774879	2.18E-08	3YrCancerF	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	480248.5	3774879	2.07E-08	3YrCancerF	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	480298.5	3774879	2.01E-08	3YrCancerF	2.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	480348.5	3774879	1.91E-08	3YrCancerF	1.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	480398.5	3774879	1.83E-08	3YrCancerF	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	480448.5	3774879	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	480498.5	3774879	1.72E-08	3YrCancerF	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	479998.5	3774929	2.43E-08	3YrCancerF	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	480048.5	3774929	2.33E-08	3YrCancerF	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	480098.5	3774929	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1143	ALL	480148.5	3774929	2.13E-08	3YrCancerF	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	480198.5	3774929	2.06E-08	3YrCancerF	2.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	480248.5	3774929	1.95E-08	3YrCancerF	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	480298.5	3774929	1.89E-08	3YrCancerF	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	480348.5	3774929	1.80E-08	3YrCancerF	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	480398.5	3774929	1.72E-08	3YrCancerF	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	480448.5	3774929	1.67E-08	3YrCancerF	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	480498.5	3774929	1.60E-08	3YrCancerF	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	479998.5	3774979	2.27E-08	3YrCancerF	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	480048.5	3774979	2.18E-08	3YrCancerF	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	480098.5	3774979	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	480148.5	3774979	2.00E-08	3YrCancerF	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	480198.5	3774979	1.94E-08	3YrCancerF	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	480248.5	3774979	1.84E-08	3YrCancerF	1.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	480298.5	3774979	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	480348.5	3774979	1.70E-08	3YrCancerF	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	480398.5	3774979	1.62E-08	3YrCancerF	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	480448.5	3774979	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	480498.5	3774979	1.51E-08	3YrCancerF	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	479998.5	3775029	2.13E-08	3YrCancerF	2.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	480048.5	3775029	2.05E-08	3YrCancerF	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	480098.5	3775029	1.99E-08	3YrCancerF	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	480148.5	3775029	1.88E-08	3YrCancerF	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	480198.5	3775029	1.83E-08	3YrCancerF	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	480248.5	3775029	1.74E-08	3YrCancerF	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	480298.5	3775029	1.69E-08	3YrCancerF	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	480348.5	3775029	1.61E-08	3YrCancerF	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	480398.5	3775029	1.54E-08	3YrCancerF	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	480448.5	3775029	1.50E-08	3YrCancerF	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	480498.5	3775029	1.43E-08	3YrCancerF	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	479998.5	3775079	2.00E-08	3YrCancerF	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	480048.5	3775079	1.93E-08	3YrCancerF	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	480098.5	3775079	1.87E-08	3YrCancerF	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	480148.5	3775079	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	480198.5	3775079	1.73E-08	3YrCancerF	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	480248.5	3775079	1.68E-08	3YrCancerF	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	480298.5	3775079	1.60E-08	3YrCancerF	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	480348.5	3775079	1.53E-08	3YrCancerF	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	480398.5	3775079	1.46E-08	3YrCancerF	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	480448.5	3775079	1.40E-08	3YrCancerF	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	480498.5	3775079	1.35E-08	3YrCancerF	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	479998.5	3775129	1.88E-08	3YrCancerF	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	480048.5	3775129	1.81E-08	3YrCancerF	1.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	480098.5	3775129	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1187	ALL	480148.5	3775129	1.68E-08	3YrCancerF	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	480198.5	3775129	1.63E-08	3YrCancerF	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	480248.5	3775129	1.59E-08	3YrCancerF	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	480298.5	3775129	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	480348.5	3775129	1.44E-08	3YrCancerF	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	480398.5	3775129	1.39E-08	3YrCancerF	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	480448.5	3775129	1.34E-08	3YrCancerF	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	480498.5	3775129	1.29E-08	3YrCancerF	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	479998.5	3775179	1.75E-08	3YrCancerF	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	480048.5	3775179	1.71E-08	3YrCancerF	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	480098.5	3775179	1.64E-08	3YrCancerF	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	480148.5	3775179	1.59E-08	3YrCancerF	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	480198.5	3775179	1.54E-08	3YrCancerF	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	480248.5	3775179	1.48E-08	3YrCancerF	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	480298.5	3775179	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	480348.5	3775179	1.36E-08	3YrCancerF	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	480398.5	3775179	1.32E-08	3YrCancerF	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1204	ALL	480448.5	3775179	1.26E-08	3YrCancerF	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	480498.5	3775179	1.22E-08	3YrCancerF	1.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	479998.5	3775229	1.65E-08	3YrCancerF	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	480048.5	3775229	1.61E-08	3YrCancerF	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	480098.5	3775229	1.54E-08	3YrCancerF	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	480148.5	3775229	1.50E-08	3YrCancerF	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	480198.5	3775229	1.46E-08	3YrCancerF	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	480248.5	3775229	1.41E-08	3YrCancerF	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	480298.5	3775229	1.35E-08	3YrCancerF	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	480348.5	3775229	1.29E-08	3YrCancerF	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	480398.5	3775229	1.24E-08	3YrCancerF	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	480448.5	3775229	1.20E-08	3YrCancerF	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	480498.5	3775229	1.16E-08	3YrCancerF	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	479998.5	3775279	1.56E-08	3YrCancerF	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	480048.5	3775279	1.53E-08	3YrCancerF	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	480098.5	3775279	1.46E-08	3YrCancerF	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	480148.5	3775279	1.43E-08	3YrCancerF	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	480198.5	3775279	1.39E-08	3YrCancerF	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	480248.5	3775279	1.34E-08	3YrCancerF	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	480298.5	3775279	1.29E-08	3YrCancerF	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	480348.5	3775279	1.23E-08	3YrCancerF	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	480398.5	3775279	1.18E-08	3YrCancerF	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	480448.5	3775279	1.14E-08	3YrCancerF	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	480498.5	3775279	1.10E-08	3YrCancerF	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	479998.5	3775329	1.47E-08	3YrCancerF	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	480048.5	3775329	1.45E-08	3YrCancerF	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	480098.5	3775329	1.38E-08	3YrCancerF	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1231	ALL	480148.5	3775329	1.35E-08	3YrCancerF	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	480198.5	3775329	1.30E-08	3YrCancerF	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	480248.5	3775329	1.27E-08	3YrCancerF	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	480298.5	3775329	1.21E-08	3YrCancerF	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	480348.5	3775329	1.17E-08	3YrCancerF	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	480398.5	3775329	1.12E-08	3YrCancerF	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	480448.5	3775329	1.09E-08	3YrCancerF	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	480498.5	3775329	1.05E-08	3YrCancerF	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	479998.5	3775379	1.40E-08	3YrCancerF	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	480048.5	3775379	1.36E-08	3YrCancerF	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	480098.5	3775379	1.31E-08	3YrCancerF	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	480148.5	3775379	1.29E-08	3YrCancerF	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	480198.5	3775379	1.23E-08	3YrCancerF	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	480248.5	3775379	1.19E-08	3YrCancerF	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	480298.5	3775379	1.14E-08	3YrCancerF	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	480348.5	3775379	1.10E-08	3YrCancerF	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	480398.5	3775379	1.07E-08	3YrCancerF	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	480448.5	3775379	1.03E-08	3YrCancerF	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	480498.5	3775379	9.96E-09	3YrCancerF	9.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	479998.5	3775429	1.32E-08	3YrCancerF	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1251	ALL	480048.5	3775429	1.27E-08	3YrCancerF	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	480098.5	3775429	1.25E-08	3YrCancerF	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	480148.5	3775429	1.21E-08	3YrCancerF	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	480198.5	3775429	1.17E-08	3YrCancerF	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	480248.5	3775429	1.12E-08	3YrCancerF	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	480298.5	3775429	1.08E-08	3YrCancerF	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	480348.5	3775429	1.04E-08	3YrCancerF	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	480398.5	3775429	1.01E-08	3YrCancerF	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	480448.5	3775429	9.83E-09	3YrCancerF	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	480498.5	3775429	9.51E-09	3YrCancerF	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	479998.5	3775479	1.24E-08	3YrCancerF	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	480048.5	3775479	1.21E-08	3YrCancerF	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	480098.5	3775479	1.19E-08	3YrCancerF	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	480148.5	3775479	1.14E-08	3YrCancerF	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	480198.5	3775479	1.10E-08	3YrCancerF	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	480248.5	3775479	1.05E-08	3YrCancerF	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	480298.5	3775479	1.01E-08	3YrCancerF	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	480348.5	3775479	9.81E-09	3YrCancerF	9.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	480398.5	3775479	9.52E-09	3YrCancerF	9.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	480448.5	3775479	9.32E-09	3YrCancerF	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	480498.5	3775479	9.00E-09	3YrCancerF	9.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	480254.7	3774120	1.49E-07	3YrCancerF	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	480287.5	3774148	1.66E-07	3YrCancerF	1.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	480349.1	3774141	1.57E-07	3YrCancerF	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1275	ALL	480381.9	3774045	1.23E-07	3YrCancerF	1.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	480444	3774004	1.16E-07	3YrCancerF	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	480407.6	3774006	1.20E-07	3YrCancerF	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	480390.5	3774008	1.21E-07	3YrCancerF	1.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	480543	3774447	4.05E-08	3YrCancerF	4.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	480593	3774447	3.93E-08	3YrCancerF	3.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	480643	3774447	3.85E-08	3YrCancerF	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	480693	3774447	3.75E-08	3YrCancerF	3.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	480743	3774447	3.67E-08	3YrCancerF	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	480793	3774447	3.58E-08	3YrCancerF	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	480843	3774447	3.51E-08	3YrCancerF	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	480893	3774447	3.43E-08	3YrCancerF	3.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	480943	3774447	3.35E-08	3YrCancerF	3.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	480993	3774447	3.29E-08	3YrCancerF	3.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	481043	3774447	3.21E-08	3YrCancerF	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	481093	3774447	3.15E-08	3YrCancerF	3.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	481143	3774447	3.07E-08	3YrCancerF	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	481193	3774447	3.01E-08	3YrCancerF	3.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	481243	3774447	2.94E-08	3YrCancerF	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	481293	3774447	2.87E-08	3YrCancerF	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	481343	3774447	2.79E-08	3YrCancerF	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	481393	3774447	2.73E-08	3YrCancerF	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	481443	3774447	2.66E-08	3YrCancerF	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	480543	3774497	3.47E-08	3YrCancerF	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	480593	3774497	3.37E-08	3YrCancerF	3.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	480643	3774497	3.30E-08	3YrCancerF	3.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	480693	3774497	3.21E-08	3YrCancerF	3.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	480743	3774497	3.14E-08	3YrCancerF	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	480793	3774497	3.07E-08	3YrCancerF	3.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304	ALL	480843	3774497	3.02E-08	3YrCancerF	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	480893	3774497	2.95E-08	3YrCancerF	2.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	480943	3774497	2.89E-08	3YrCancerF	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	480993	3774497	2.83E-08	3YrCancerF	2.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	481043	3774497	2.77E-08	3YrCancerF	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	481093	3774497	2.72E-08	3YrCancerF	2.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	481143	3774497	2.66E-08	3YrCancerF	2.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	481193	3774497	2.60E-08	3YrCancerF	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	481243	3774497	2.55E-08	3YrCancerF	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	481293	3774497	2.49E-08	3YrCancerF	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	481343	3774497	2.43E-08	3YrCancerF	2.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315	ALL	481393	3774497	2.36E-08	3YrCancerF	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1316	ALL	481443	3774497	2.31E-08	3YrCancerF	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317	ALL	481493	3774497	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318	ALL	480543	3774547	3.00E-08	3YrCancerF	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1319	ALL	480593	3774547	2.93E-08	3YrCancerF	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	480643	3774547	2.87E-08	3YrCancerF	2.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1321	ALL	480693	3774547	2.79E-08	3YrCancerF	2.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	480743	3774547	2.73E-08	3YrCancerF	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	480793	3774547	2.67E-08	3YrCancerF	2.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	480843	3774547	2.63E-08	3YrCancerF	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	480893	3774547	2.56E-08	3YrCancerF	2.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	480943	3774547	2.52E-08	3YrCancerF	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	480993	3774547	2.46E-08	3YrCancerF	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	481043	3774547	2.42E-08	3YrCancerF	2.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	481093	3774547	2.36E-08	3YrCancerF	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	481143	3774547	2.31E-08	3YrCancerF	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	481193	3774547	2.27E-08	3YrCancerF	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	481243	3774547	2.21E-08	3YrCancerF	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	481293	3774547	2.16E-08	3YrCancerF	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	481343	3774547	2.12E-08	3YrCancerF	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	481393	3774547	2.07E-08	3YrCancerF	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	481443	3774547	2.02E-08	3YrCancerF	2.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	481493	3774547	1.97E-08	3YrCancerF	1.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	481543	3774547	1.93E-08	3YrCancerF	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	480543	3774597	2.65E-08	3YrCancerF	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	480593	3774597	2.59E-08	3YrCancerF	2.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	480643	3774597	2.51E-08	3YrCancerF	2.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	480693	3774597	2.46E-08	3YrCancerF	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	480743	3774597	2.39E-08	3YrCancerF	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	480793	3774597	2.35E-08	3YrCancerF	2.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	480843	3774597	2.29E-08	3YrCancerF	2.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1346	ALL	480893	3774597	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	480943	3774597	2.21E-08	3YrCancerF	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	480993	3774597	2.16E-08	3YrCancerF	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1349	ALL	481043	3774597	2.12E-08	3YrCancerF	2.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	481093	3774597	2.08E-08	3YrCancerF	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	481143	3774597	2.03E-08	3YrCancerF	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	481193	3774597	1.99E-08	3YrCancerF	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1353	ALL	481243	3774597	1.95E-08	3YrCancerF	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	481293	3774597	1.90E-08	3YrCancerF	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	481343	3774597	1.86E-08	3YrCancerF	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	481393	3774597	1.82E-08	3YrCancerF	1.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	481443	3774597	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	481493	3774597	1.74E-08	3YrCancerF	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	481543	3774597	1.69E-08	3YrCancerF	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	480543	3774647	2.39E-08	3YrCancerF	2.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	480593	3774647	2.32E-08	3YrCancerF	2.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	480643	3774647	2.25E-08	3YrCancerF	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1363	ALL	480693	3774647	2.21E-08	3YrCancerF	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	480743	3774647	2.14E-08	3YrCancerF	2.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	480793	3774647	2.10E-08	3YrCancerF	2.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	480843	3774647	2.04E-08	3YrCancerF	2.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	480893	3774647	2.00E-08	3YrCancerF	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	480943	3774647	1.96E-08	3YrCancerF	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1369	ALL	480993	3774647	1.93E-08	3YrCancerF	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	481043	3774647	1.88E-08	3YrCancerF	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1371	ALL	481093	3774647	1.83E-08	3YrCancerF	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	481143	3774647	1.80E-08	3YrCancerF	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	481193	3774647	1.76E-08	3YrCancerF	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	481243	3774647	1.73E-08	3YrCancerF	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	481293	3774647	1.69E-08	3YrCancerF	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	481343	3774647	1.65E-08	3YrCancerF	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	481393	3774647	1.61E-08	3YrCancerF	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	481443	3774647	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	481493	3774647	1.54E-08	3YrCancerF	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	481543	3774647	1.51E-08	3YrCancerF	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	480543	3774697	2.18E-08	3YrCancerF	2.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	480593	3774697	2.11E-08	3YrCancerF	2.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	480643	3774697	2.05E-08	3YrCancerF	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	480693	3774697	1.99E-08	3YrCancerF	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	480743	3774697	1.95E-08	3YrCancerF	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	480793	3774697	1.90E-08	3YrCancerF	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	480843	3774697	1.85E-08	3YrCancerF	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	480893	3774697	1.80E-08	3YrCancerF	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	480943	3774697	1.77E-08	3YrCancerF	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	480993	3774697	1.72E-08	3YrCancerF	1.72E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1391	ALL	481043	3774697	1.68E-08	3YrCancerF	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	481093	3774697	1.65E-08	3YrCancerF	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1393	ALL	481143	3774697	1.61E-08	3YrCancerF	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1394	ALL	481193	3774697	1.58E-08	3YrCancerF	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	481243	3774697	1.54E-08	3YrCancerF	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	481293	3774697	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	481343	3774697	1.48E-08	3YrCancerF	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	481393	3774697	1.44E-08	3YrCancerF	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1399	ALL	481443	3774697	1.41E-08	3YrCancerF	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	481493	3774697	1.37E-08	3YrCancerF	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	481543	3774697	1.34E-08	3YrCancerF	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	480543	3774747	1.99E-08	3YrCancerF	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1403	ALL	480593	3774747	1.94E-08	3YrCancerF	1.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1404	ALL	480643	3774747	1.88E-08	3YrCancerF	1.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1405	ALL	480693	3774747	1.83E-08	3YrCancerF	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1406	ALL	480743	3774747	1.78E-08	3YrCancerF	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1407	ALL	480793	3774747	1.73E-08	3YrCancerF	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1408	ALL	480843	3774747	1.70E-08	3YrCancerF	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1409	ALL	480893	3774747	1.64E-08	3YrCancerF	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1410	ALL	480943	3774747	1.61E-08	3YrCancerF	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1411	ALL	480993	3774747	1.57E-08	3YrCancerF	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1412	ALL	481043	3774747	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1413	ALL	481093	3774747	1.50E-08	3YrCancerF	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1414	ALL	481143	3774747	1.46E-08	3YrCancerF	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1415	ALL	481193	3774747	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1416	ALL	481243	3774747	1.39E-08	3YrCancerF	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1417	ALL	481293	3774747	1.36E-08	3YrCancerF	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1418	ALL	481343	3774747	1.33E-08	3YrCancerF	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1419	ALL	481393	3774747	1.30E-08	3YrCancerF	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1420	ALL	481443	3774747	1.27E-08	3YrCancerF	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1421	ALL	481493	3774747	1.24E-08	3YrCancerF	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1422	ALL	481543	3774747	1.21E-08	3YrCancerF	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1423	ALL	480543	3774797	1.85E-08	3YrCancerF	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1424	ALL	480593	3774797	1.79E-08	3YrCancerF	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1425	ALL	480643	3774797	1.74E-08	3YrCancerF	1.74E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1426	ALL	480693	3774797	1.68E-08	3YrCancerF	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1427	ALL	480743	3774797	1.64E-08	3YrCancerF	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1428	ALL	480793	3774797	1.60E-08	3YrCancerF	1.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1429	ALL	480843	3774797	1.55E-08	3YrCancerF	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1430	ALL	480893	3774797	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1431	ALL	480943	3774797	1.47E-08	3YrCancerF	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1432	ALL	480993	3774797	1.43E-08	3YrCancerF	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1433	ALL	481043	3774797	1.40E-08	3YrCancerF	1.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1434	ALL	481093	3774797	1.36E-08	3YrCancerF	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1435	ALL	481143	3774797	1.34E-08	3YrCancerF	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1436	ALL	481193	3774797	1.30E-08	3YrCancerF	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1437	ALL	481243	3774797	1.28E-08	3YrCancerF	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1438	ALL	481293	3774797	1.24E-08	3YrCancerF	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1439	ALL	481343	3774797	1.21E-08	3YrCancerF	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1440	ALL	481393	3774797	1.19E-08	3YrCancerF	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1441	ALL	481443	3774797	1.15E-08	3YrCancerF	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1442	ALL	481493	3774797	1.12E-08	3YrCancerF	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1443	ALL	481543	3774797	1.09E-08	3YrCancerF	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1444	ALL	480543	3774847	1.73E-08	3YrCancerF	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1445	ALL	480593	3774847	1.67E-08	3YrCancerF	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1446	ALL	480643	3774847	1.62E-08	3YrCancerF	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1447	ALL	480693	3774847	1.55E-08	3YrCancerF	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1448	ALL	480743	3774847	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1449	ALL	480793	3774847	1.50E-08	3YrCancerF	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1450	ALL	480843	3774847	1.45E-08	3YrCancerF	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1451	ALL	480893	3774847	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1452	ALL	480943	3774847	1.37E-08	3YrCancerF	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1453	ALL	480993	3774847	1.33E-08	3YrCancerF	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1454	ALL	481043	3774847	1.30E-08	3YrCancerF	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1455	ALL	481093	3774847	1.26E-08	3YrCancerF	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1456	ALL	481143	3774847	1.23E-08	3YrCancerF	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1457	ALL	481193	3774847	1.21E-08	3YrCancerF	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1458	ALL	481243	3774847	1.17E-08	3YrCancerF	1.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1459	ALL	481293	3774847	1.14E-08	3YrCancerF	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1460	ALL	481343	3774847	1.11E-08	3YrCancerF	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1461	ALL	481393	3774847	1.08E-08	3YrCancerF	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1462	ALL	481443	3774847	1.05E-08	3YrCancerF	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1463	ALL	481493	3774847	1.03E-08	3YrCancerF	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1464	ALL	481543	3774847	1.00E-08	3YrCancerF	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1465	ALL	480543	3774897	1.63E-08	3YrCancerF	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1466	ALL	480593	3774897	1.56E-08	3YrCancerF	1.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1467	ALL	480643	3774897	1.50E-08	3YrCancerF	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1468	ALL	480693	3774897	1.45E-08	3YrCancerF	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1469	ALL	480743	3774897	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1470	ALL	480793	3774897	1.39E-08	3YrCancerF	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1471	ALL	480843	3774897	1.36E-08	3YrCancerF	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1472	ALL	480893	3774897	1.32E-08	3YrCancerF	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1473	ALL	480943	3774897	1.29E-08	3YrCancerF	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1474	ALL	480993	3774897	1.25E-08	3YrCancerF	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1475	ALL	481043	3774897	1.21E-08	3YrCancerF	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1476	ALL	481093	3774897	1.18E-08	3YrCancerF	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1477	ALL	481143	3774897	1.15E-08	3YrCancerF	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1478	ALL	481193	3774897	1.12E-08	3YrCancerF	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1479	ALL	481243	3774897	1.09E-08	3YrCancerF	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1480	ALL	481293	3774897	1.06E-08	3YrCancerF	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1481	ALL	481343	3774897	1.03E-08	3YrCancerF	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1482	ALL	481393	3774897	1.00E-08	3YrCancerF	1.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1483	ALL	481443	3774897	9.75E-09	3YrCancerF	9.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1484	ALL	481493	3774897	9.48E-09	3YrCancerF	9.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1485	ALL	481543	3774897	9.23E-09	3YrCancerF	9.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1486	ALL	480543	3774947	1.52E-08	3YrCancerF	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1487	ALL	480593	3774947	1.48E-08	3YrCancerF	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1488	ALL	480643	3774947	1.42E-08	3YrCancerF	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1489	ALL	480693	3774947	1.37E-08	3YrCancerF	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1490	ALL	480743	3774947	1.34E-08	3YrCancerF	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1491	ALL	480793	3774947	1.31E-08	3YrCancerF	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1492	ALL	480843	3774947	1.28E-08	3YrCancerF	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1493	ALL	480893	3774947	1.24E-08	3YrCancerF	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1494	ALL	480943	3774947	1.20E-08	3YrCancerF	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1495	ALL	480993	3774947	1.16E-08	3YrCancerF	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1496	ALL	481043	3774947	1.13E-08	3YrCancerF	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1497	ALL	481093	3774947	1.10E-08	3YrCancerF	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1498	ALL	481143	3774947	1.07E-08	3YrCancerF	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1499	ALL	481193	3774947	1.04E-08	3YrCancerF	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1500	ALL	481243	3774947	1.01E-08	3YrCancerF	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1501	ALL	481293	3774947	9.84E-09	3YrCancerF	9.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1502	ALL	481343	3774947	9.57E-09	3YrCancerF	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1503	ALL	481393	3774947	9.32E-09	3YrCancerF	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1504	ALL	481443	3774947	9.04E-09	3YrCancerF	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1505	ALL	481493	3774947	8.77E-09	3YrCancerF	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1506	ALL	481543	3774947	8.61E-09	3YrCancerF	8.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2.13E-07
2.13E-01

HARP2 - HRACalc (dated 22118) 1/9/2023 2:24:55 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5thVictoriaOp\hra\5thVicChronicOpNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5thVictoriaOp\hra\5thVicChronicOpNCChronicRiskSumByRec.csv
HRA ran successfully

*HARP - HRACalc v22118 1/9/2023 2:24:55 PM - Chronic Risk - Input File: C:\Users\dlarocca\Desktop\Air Quality Work\HARP2\5thVictoriaOp\hra\5thVicChronicOpHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	MAXHI
1	ALL		478170.4	3774040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-05
2	ALL		478220.4	3774040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05
3	ALL		478270.4	3774040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05
4	ALL		478320.4	3774040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-05
5	ALL		478170.4	3774090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05
6	ALL		478220.4	3774090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-05
7	ALL		478270.4	3774090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
8	ALL		478320.4	3774090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05
9	ALL		478170.4	3774140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
10	ALL		478220.4	3774140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05
11	ALL		478270.4	3774140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-05
12	ALL		478320.4	3774140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05
13	ALL		478170.4	3774190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-05
14	ALL		478220.4	3774190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-05
15	ALL		478270.4	3774190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-05
16	ALL		478320.4	3774190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05
17	ALL		478170.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
18	ALL		478220.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-05
19	ALL		478270.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05
20	ALL		478320.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
21	ALL		478370.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05
22	ALL		478420.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05
23	ALL		478470.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
24	ALL		478520.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
25	ALL		478570.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
26	ALL		479170.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
27	ALL		479220.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
28	ALL		479270.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
29	ALL		479320.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-03
30	ALL		479370.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
31	ALL		479420.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
32	ALL		479470.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
33	ALL		479520.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
34	ALL		479570.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-04
35	ALL		479620.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04
36	ALL		479670.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04
37	ALL		479720.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04
38	ALL		479770.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04
39	ALL		479820.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04
40	ALL		479870.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
41	ALL		479920.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
42	ALL		479970.4	3774240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
43	ALL		478170.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05
44	ALL		478220.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-05
45	ALL		478270.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
46	ALL		478320.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
47	ALL		478370.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05
48	ALL		478420.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-05

49	ALL	478470.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
50	ALL	478520.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
51	ALL	478570.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
52	ALL	479170.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04
53	ALL	479220.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
54	ALL	479270.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
55	ALL	479320.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
56	ALL	479370.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
57	ALL	479420.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
58	ALL	479470.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04
59	ALL	479520.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04
60	ALL	479570.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04
61	ALL	479620.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04
62	ALL	479670.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
63	ALL	479720.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
64	ALL	479770.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
65	ALL	479820.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04
66	ALL	479870.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
67	ALL	479920.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
68	ALL	479970.4	3774290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
69	ALL	478170.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
70	ALL	478220.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
71	ALL	478270.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-05
72	ALL	478320.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-05
73	ALL	478370.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
74	ALL	478420.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05
75	ALL	478470.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-05
76	ALL	478520.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
77	ALL	478570.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04
78	ALL	479170.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04
79	ALL	479220.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04
80	ALL	479270.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04
81	ALL	479320.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04
82	ALL	479370.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04
83	ALL	479420.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-04
84	ALL	479470.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04
85	ALL	479520.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04
86	ALL	479570.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04
87	ALL	479620.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
88	ALL	479670.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
89	ALL	479720.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
90	ALL	479770.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
91	ALL	479820.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
92	ALL	479870.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04
93	ALL	479920.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
94	ALL	479970.4	3774340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
95	ALL	478170.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
96	ALL	478220.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
97	ALL	478270.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
98	ALL	478320.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-05

99	ALL	478370.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
100	ALL	478420.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05
101	ALL	478470.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-05
102	ALL	478520.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
103	ALL	478570.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
104	ALL	479170.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04
105	ALL	479220.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04
106	ALL	479270.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04
107	ALL	479320.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04
108	ALL	479370.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04
109	ALL	479420.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04
110	ALL	479470.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
111	ALL	479520.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04
112	ALL	479570.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
113	ALL	479620.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
114	ALL	479670.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
115	ALL	479720.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04
116	ALL	479770.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
117	ALL	479820.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
118	ALL	479870.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
119	ALL	479920.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
120	ALL	479970.4	3774390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
121	ALL	478170.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-05
122	ALL	478220.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
123	ALL	478270.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
124	ALL	478320.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
125	ALL	478370.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
126	ALL	478420.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-05
127	ALL	478470.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
128	ALL	478520.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-05
129	ALL	478570.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
130	ALL	478620.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
131	ALL	478670.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
132	ALL	478720.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
133	ALL	478770.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
134	ALL	478820.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04
135	ALL	479320.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
136	ALL	479370.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04
137	ALL	479420.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
138	ALL	479470.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
139	ALL	479520.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
140	ALL	479570.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
141	ALL	479620.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
142	ALL	479670.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
143	ALL	479720.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04
144	ALL	479770.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
145	ALL	479820.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
146	ALL	479870.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04
147	ALL	479920.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
148	ALL	479970.4	3774440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04

149	ALL	478170.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
150	ALL	478220.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
151	ALL	478270.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
152	ALL	478320.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-05
153	ALL	478370.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-05
154	ALL	478420.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-05
155	ALL	478470.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
156	ALL	478520.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05
157	ALL	478570.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
158	ALL	478620.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
159	ALL	478670.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
160	ALL	478720.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
161	ALL	478749.3	3774488	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04
162	ALL	478820.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
163	ALL	479370.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
164	ALL	479420.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
165	ALL	479470.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
166	ALL	479520.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
167	ALL	479570.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-04
168	ALL	479620.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
169	ALL	479670.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04
170	ALL	479720.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04
171	ALL	479770.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
172	ALL	479820.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04
173	ALL	479870.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
174	ALL	479920.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
175	ALL	479970.4	3774490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
176	ALL	478170.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-05
177	ALL	478220.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
178	ALL	478270.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-05
179	ALL	478320.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-05
180	ALL	478370.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-05
181	ALL	478420.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
182	ALL	478470.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05
183	ALL	478520.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05
184	ALL	478570.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-05
185	ALL	478620.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
186	ALL	478670.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
187	ALL	478720.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
188	ALL	478764.9	3774551	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
189	ALL	478807.5	3774552	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
190	ALL	479370.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
191	ALL	479420.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04
192	ALL	479470.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
193	ALL	479520.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04
194	ALL	479570.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
195	ALL	479620.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04
196	ALL	479670.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
197	ALL	479720.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04
198	ALL	479770.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04

199	ALL	479820.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
200	ALL	479870.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
201	ALL	479920.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
202	ALL	479970.4	3774540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
203	ALL	478170.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
204	ALL	478220.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
205	ALL	478270.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
206	ALL	478320.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
207	ALL	478370.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
208	ALL	478420.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-05
209	ALL	478470.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-05
210	ALL	478520.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-05
211	ALL	478570.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05
212	ALL	478620.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
213	ALL	478670.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
214	ALL	478720.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
215	ALL	478776.3	3774603	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
216	ALL	478804.3	3774604	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04
217	ALL	479370.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04
218	ALL	479420.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-04
219	ALL	479470.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04
220	ALL	479520.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04
221	ALL	479570.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04
222	ALL	479620.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
223	ALL	479670.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
224	ALL	479720.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
225	ALL	479770.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04
226	ALL	479820.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
227	ALL	479870.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
228	ALL	479920.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
229	ALL	479970.4	3774590	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
230	ALL	478170.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05
231	ALL	478220.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
232	ALL	478270.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
233	ALL	478320.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05
234	ALL	478370.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
235	ALL	478420.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
236	ALL	478470.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
237	ALL	478520.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05
238	ALL	478570.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05
239	ALL	478620.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05
240	ALL	478670.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
241	ALL	478720.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
242	ALL	478770.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
243	ALL	478820.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
244	ALL	478870.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
245	ALL	479370.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04
246	ALL	479420.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-04
247	ALL	479470.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04
248	ALL	479520.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-04

249	ALL	479570.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04
250	ALL	479620.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
251	ALL	479670.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04
252	ALL	479720.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
253	ALL	479770.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
254	ALL	479820.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
255	ALL	479870.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
256	ALL	479920.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
257	ALL	479970.4	3774640	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-05
258	ALL	478170.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
259	ALL	478220.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
260	ALL	478270.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
261	ALL	478320.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05
262	ALL	478370.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-05
263	ALL	478420.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
264	ALL	478470.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
265	ALL	478520.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
266	ALL	478570.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05
267	ALL	478620.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05
268	ALL	478670.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-05
269	ALL	478720.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
270	ALL	478770.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
271	ALL	478820.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
272	ALL	478868.7	3774701	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
273	ALL	478861.3	3774671	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04
274	ALL	479026.6	3774722	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
275	ALL	479059.1	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
276	ALL	479113.7	3774695	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04
277	ALL	479370.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
278	ALL	479420.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04
279	ALL	479470.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04
280	ALL	479520.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04
281	ALL	479570.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
282	ALL	479620.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
283	ALL	479670.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
284	ALL	479720.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
285	ALL	479770.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
286	ALL	479820.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
287	ALL	479870.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-05
288	ALL	479920.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-05
289	ALL	479970.4	3774690	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-05
290	ALL	478170.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
291	ALL	478220.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
292	ALL	478270.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-05
293	ALL	478320.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
294	ALL	478370.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
295	ALL	478420.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
296	ALL	478470.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-05
297	ALL	478520.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-05
298	ALL	478570.4	3774740	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05

299 ALL	478620.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05
300 ALL	478670.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-05
301 ALL	478720.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-05
302 ALL	478770.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
303 ALL	478820.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
304 ALL	478863	3774730 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
305 ALL	479020.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
306 ALL	479070.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
307 ALL	479120.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
308 ALL	479370.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
309 ALL	479420.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04
310 ALL	479470.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
311 ALL	479520.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
312 ALL	479570.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
313 ALL	479620.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
314 ALL	479670.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
315 ALL	479720.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
316 ALL	479770.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-05
317 ALL	479820.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
318 ALL	479870.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-05
319 ALL	479920.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05
320 ALL	479970.4	3774740 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
321 ALL	478170.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
322 ALL	478220.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
323 ALL	478270.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
324 ALL	478320.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
325 ALL	478370.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-05
326 ALL	478420.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
327 ALL	478470.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
328 ALL	478520.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
329 ALL	478570.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-05
330 ALL	478620.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-05
331 ALL	478670.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-05
332 ALL	478720.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-05
333 ALL	478770.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-05
334 ALL	478820.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-05
335 ALL	478870.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04
336 ALL	478920.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
337 ALL	478970.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04
338 ALL	479020.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
339 ALL	479070.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04
340 ALL	479120.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
341 ALL	479370.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
342 ALL	479420.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04
343 ALL	479470.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
344 ALL	479520.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04
345 ALL	479570.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04
346 ALL	479620.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
347 ALL	479670.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
348 ALL	479720.4	3774790 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-05

349	ALL	479770.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-05
350	ALL	479820.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-05
351	ALL	479870.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
352	ALL	479920.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
353	ALL	479970.4	3774790	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-05
354	ALL	477970.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
355	ALL	478020.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
356	ALL	478070.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
357	ALL	478120.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-05
358	ALL	478170.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
359	ALL	478220.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
360	ALL	478270.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05
361	ALL	478320.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
362	ALL	478370.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
363	ALL	478420.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
364	ALL	478470.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-05
365	ALL	478520.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05
366	ALL	478570.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
367	ALL	478620.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05
368	ALL	478670.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-05
369	ALL	478720.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05
370	ALL	478770.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05
371	ALL	478820.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
372	ALL	478870.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-05
373	ALL	478920.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
374	ALL	478970.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
375	ALL	479020.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
376	ALL	479070.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
377	ALL	479120.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
378	ALL	479170.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
379	ALL	479220.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
380	ALL	479270.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
381	ALL	479320.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
382	ALL	479370.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04
383	ALL	479420.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
384	ALL	479470.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
385	ALL	479520.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04
386	ALL	479570.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04
387	ALL	479620.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
388	ALL	479670.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-05
389	ALL	479720.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-05
390	ALL	479770.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05
391	ALL	479820.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-05
392	ALL	479870.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
393	ALL	479920.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
394	ALL	479970.4	3774840	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-05
395	ALL	477970.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
396	ALL	478020.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05
397	ALL	478070.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-05
398	ALL	478120.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-05

399	ALL	478170.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05
400	ALL	478220.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
401	ALL	478270.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
402	ALL	478320.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-05
403	ALL	478370.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-05
404	ALL	478420.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
405	ALL	478470.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
406	ALL	478520.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
407	ALL	478570.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-05
408	ALL	478620.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-05
409	ALL	478670.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05
410	ALL	478720.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
411	ALL	478770.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05
412	ALL	478820.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-05
413	ALL	478870.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05
414	ALL	478920.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05
415	ALL	478970.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
416	ALL	479020.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
417	ALL	479070.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
418	ALL	479120.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
419	ALL	479170.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
420	ALL	479220.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
421	ALL	479270.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
422	ALL	479320.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04
423	ALL	479370.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
424	ALL	479420.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04
425	ALL	479470.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
426	ALL	479520.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
427	ALL	479570.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04
428	ALL	479620.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
429	ALL	479670.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-05
430	ALL	479720.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05
431	ALL	479770.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
432	ALL	479820.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-05
433	ALL	479870.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
434	ALL	479920.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
435	ALL	479970.4	3774890	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
436	ALL	477970.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
437	ALL	478020.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
438	ALL	478070.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
439	ALL	478120.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
440	ALL	478170.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
441	ALL	478220.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-05
442	ALL	478270.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-05
443	ALL	478320.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
444	ALL	478370.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
445	ALL	478420.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
446	ALL	478470.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
447	ALL	478520.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
448	ALL	478570.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-05

449	ALL	478620.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
450	ALL	478670.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
451	ALL	478720.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05
452	ALL	478770.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05
453	ALL	478820.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
454	ALL	478870.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05
455	ALL	478920.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E-05
456	ALL	478970.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-05
457	ALL	479020.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
458	ALL	479070.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-05
459	ALL	479120.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05
460	ALL	479170.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-05
461	ALL	479220.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-05
462	ALL	479270.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04
463	ALL	479320.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
464	ALL	479370.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
465	ALL	479420.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-05
466	ALL	479470.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-05
467	ALL	479520.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05
468	ALL	479570.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
469	ALL	479620.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
470	ALL	479670.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
471	ALL	479720.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-05
472	ALL	479770.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
473	ALL	479820.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-05
474	ALL	479870.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
475	ALL	479920.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
476	ALL	479970.4	3774940	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
477	ALL	477970.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
478	ALL	478020.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
479	ALL	478070.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
480	ALL	478120.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
481	ALL	478170.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
482	ALL	478220.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
483	ALL	478270.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
484	ALL	478320.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
485	ALL	478370.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
486	ALL	478420.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
487	ALL	478470.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
488	ALL	478520.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05
489	ALL	478570.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05
490	ALL	478620.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
491	ALL	478670.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05
492	ALL	478720.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-05
493	ALL	478770.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-05
494	ALL	478820.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-05
495	ALL	478870.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-05
496	ALL	478920.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
497	ALL	478970.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05
498	ALL	479020.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-05

499	ALL	479070.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
500	ALL	479120.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05
501	ALL	479170.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-05
502	ALL	479220.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05
503	ALL	479270.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-05
504	ALL	479320.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05
505	ALL	479370.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-05
506	ALL	479420.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-05
507	ALL	479470.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-05
508	ALL	479520.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-05
509	ALL	479570.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05
510	ALL	479620.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-05
511	ALL	479670.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05
512	ALL	479720.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
513	ALL	479770.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
514	ALL	479820.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-05
515	ALL	479870.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05
516	ALL	479920.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
517	ALL	479970.4	3774990	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
518	ALL	477970.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
519	ALL	478020.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-05
520	ALL	478070.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05
521	ALL	478120.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
522	ALL	478170.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
523	ALL	478220.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
524	ALL	478270.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
525	ALL	478320.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-05
526	ALL	478370.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-05
527	ALL	478420.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
528	ALL	478470.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
529	ALL	478520.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
530	ALL	478570.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
531	ALL	478620.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05
532	ALL	478670.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
533	ALL	478720.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
534	ALL	478770.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
535	ALL	478820.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
536	ALL	478870.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
537	ALL	478920.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-05
538	ALL	478970.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
539	ALL	479020.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-05
540	ALL	479070.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
541	ALL	479120.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05
542	ALL	479170.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-05
543	ALL	479220.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05
544	ALL	479270.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
545	ALL	479320.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
546	ALL	479370.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-05
547	ALL	479420.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-05
548	ALL	479470.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05

549	ALL	479520.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-05
550	ALL	479570.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-05
551	ALL	479620.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-05
552	ALL	479670.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
553	ALL	479720.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-05
554	ALL	479770.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
555	ALL	479820.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05
556	ALL	479870.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05
557	ALL	479920.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05
558	ALL	479970.4	3775040	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-05
559	ALL	477970.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
560	ALL	478020.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
561	ALL	478070.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
562	ALL	478120.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
563	ALL	478170.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
564	ALL	478220.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
565	ALL	478270.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
566	ALL	478320.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-05
567	ALL	478370.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
568	ALL	478420.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
569	ALL	478470.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-05
570	ALL	478520.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
571	ALL	478570.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
572	ALL	478620.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05
573	ALL	478670.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
574	ALL	478720.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05
575	ALL	478770.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
576	ALL	478820.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05
577	ALL	478870.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-05
578	ALL	478920.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05
579	ALL	478970.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-05
580	ALL	479020.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05
581	ALL	479070.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
582	ALL	479120.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05
583	ALL	479170.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
584	ALL	479220.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05
585	ALL	479270.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
586	ALL	479320.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05
587	ALL	479370.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05
588	ALL	479420.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-05
589	ALL	479470.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
590	ALL	479520.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05
591	ALL	479570.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05
592	ALL	479620.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05
593	ALL	479670.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
594	ALL	479720.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05
595	ALL	479770.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
596	ALL	479820.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
597	ALL	479870.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-05
598	ALL	479920.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05

599	ALL	479970.4	3775090	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
600	ALL	477970.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
601	ALL	478020.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
602	ALL	478070.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
603	ALL	478120.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
604	ALL	478170.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
605	ALL	478220.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
606	ALL	478270.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
607	ALL	478320.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05
608	ALL	478370.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
609	ALL	478420.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
610	ALL	478470.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
611	ALL	478520.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
612	ALL	478570.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
613	ALL	478620.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05
614	ALL	478670.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-05
615	ALL	478720.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
616	ALL	478770.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05
617	ALL	478820.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
618	ALL	478870.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
619	ALL	478920.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-05
620	ALL	478970.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
621	ALL	479020.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
622	ALL	479070.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-05
623	ALL	479120.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
624	ALL	479170.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-05
625	ALL	479220.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-05
626	ALL	479270.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05
627	ALL	479320.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
628	ALL	479370.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-05
629	ALL	479420.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
630	ALL	479470.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-05
631	ALL	479520.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-05
632	ALL	479570.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
633	ALL	479620.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-05
634	ALL	479670.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05
635	ALL	479720.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05
636	ALL	479770.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05
637	ALL	479820.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
638	ALL	479870.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
639	ALL	479920.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
640	ALL	479970.4	3775140	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05
641	ALL	477970.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
642	ALL	478020.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
643	ALL	478070.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
644	ALL	478120.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
645	ALL	478170.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
646	ALL	478220.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
647	ALL	478270.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
648	ALL	478320.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05

649	ALL	478370.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
650	ALL	478420.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
651	ALL	478470.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
652	ALL	478520.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05
653	ALL	478570.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-05
654	ALL	478620.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
655	ALL	478670.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
656	ALL	478720.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
657	ALL	478770.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
658	ALL	478820.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
659	ALL	478870.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05
660	ALL	478920.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
661	ALL	478970.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
662	ALL	479020.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-05
663	ALL	479070.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
664	ALL	479120.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-05
665	ALL	479170.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05
666	ALL	479220.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-05
667	ALL	479270.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
668	ALL	479320.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
669	ALL	479370.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-05
670	ALL	479420.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-05
671	ALL	479470.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
672	ALL	479520.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
673	ALL	479570.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
674	ALL	479620.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
675	ALL	479670.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
676	ALL	479720.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
677	ALL	479770.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
678	ALL	479820.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-05
679	ALL	479870.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
680	ALL	479920.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
681	ALL	479970.4	3775190	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
682	ALL	477970.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
683	ALL	478020.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
684	ALL	478070.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
685	ALL	478120.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
686	ALL	478170.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
687	ALL	478220.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
688	ALL	478270.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
689	ALL	478320.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
690	ALL	478370.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
691	ALL	478420.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-05
692	ALL	478470.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
693	ALL	478520.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
694	ALL	478570.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
695	ALL	478620.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
696	ALL	478670.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
697	ALL	478720.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
698	ALL	478770.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05

699	ALL	478820.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
700	ALL	478870.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05
701	ALL	478920.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
702	ALL	478970.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
703	ALL	479020.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-05
704	ALL	479070.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
705	ALL	479120.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-05
706	ALL	479170.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05
707	ALL	479220.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
708	ALL	479270.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-05
709	ALL	479320.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05
710	ALL	479370.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
711	ALL	479420.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-05
712	ALL	479470.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05
713	ALL	479520.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
714	ALL	479570.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
715	ALL	479620.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-05
716	ALL	479670.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-05
717	ALL	479720.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
718	ALL	479770.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05
719	ALL	479820.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
720	ALL	479870.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
721	ALL	479920.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05
722	ALL	479970.4	3775240	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
723	ALL	477970.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
724	ALL	478020.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05
725	ALL	478070.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
726	ALL	478120.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
727	ALL	478170.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
728	ALL	478220.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
729	ALL	478270.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
730	ALL	478320.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
731	ALL	478370.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
732	ALL	478420.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
733	ALL	478470.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
734	ALL	478520.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
735	ALL	478570.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
736	ALL	478620.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05
737	ALL	478670.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
738	ALL	478720.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
739	ALL	478770.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05
740	ALL	478820.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
741	ALL	478870.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05
742	ALL	478920.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
743	ALL	478970.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
744	ALL	479020.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
745	ALL	479070.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-05
746	ALL	479120.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-05
747	ALL	479170.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-05
748	ALL	479220.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05

749	ALL	479270.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05
750	ALL	479320.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
751	ALL	479370.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
752	ALL	479420.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-05
753	ALL	479470.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05
754	ALL	479520.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05
755	ALL	479570.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-05
756	ALL	479620.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05
757	ALL	479670.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
758	ALL	479720.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
759	ALL	479770.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05
760	ALL	479820.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
761	ALL	479870.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05
762	ALL	479920.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
763	ALL	479970.4	3775290	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
764	ALL	477970.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
765	ALL	478020.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
766	ALL	478070.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
767	ALL	478120.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-05
768	ALL	478170.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
769	ALL	478220.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
770	ALL	478270.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
771	ALL	478320.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
772	ALL	478370.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
773	ALL	478420.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
774	ALL	478470.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
775	ALL	478520.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
776	ALL	478570.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
777	ALL	478620.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
778	ALL	478670.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
779	ALL	478720.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
780	ALL	478770.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
781	ALL	478820.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
782	ALL	478870.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
783	ALL	478920.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05
784	ALL	478970.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
785	ALL	479020.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-05
786	ALL	479070.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
787	ALL	479120.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
788	ALL	479170.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-05
789	ALL	479220.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
790	ALL	479270.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
791	ALL	479320.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05
792	ALL	479370.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05
793	ALL	479420.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
794	ALL	479470.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05
795	ALL	479520.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-05
796	ALL	479570.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-05
797	ALL	479620.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
798	ALL	479670.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05

799	ALL	479720.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
800	ALL	479770.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
801	ALL	479820.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05
802	ALL	479870.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
803	ALL	479920.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
804	ALL	479970.4	3775340	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05
805	ALL	477970.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
806	ALL	478020.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05
807	ALL	478070.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
808	ALL	478120.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
809	ALL	478170.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
810	ALL	478220.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
811	ALL	478270.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
812	ALL	478320.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
813	ALL	478370.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
814	ALL	478420.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
815	ALL	478470.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
816	ALL	478520.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05
817	ALL	478570.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
818	ALL	478620.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-05
819	ALL	478670.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
820	ALL	478720.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
821	ALL	478770.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05
822	ALL	478820.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
823	ALL	478870.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
824	ALL	478920.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
825	ALL	478970.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
826	ALL	479020.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05
827	ALL	479070.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
828	ALL	479120.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05
829	ALL	479170.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-05
830	ALL	479220.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
831	ALL	479270.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
832	ALL	479320.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
833	ALL	479370.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
834	ALL	479420.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-05
835	ALL	479470.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
836	ALL	479520.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05
837	ALL	479570.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
838	ALL	479620.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
839	ALL	479670.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05
840	ALL	479720.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05
841	ALL	479770.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
842	ALL	479820.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-05
843	ALL	479870.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-05
844	ALL	479920.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
845	ALL	479970.4	3775390	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
846	ALL	477970.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
847	ALL	478020.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
848	ALL	478070.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05

849	ALL	478120.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
850	ALL	478170.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
851	ALL	478220.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
852	ALL	478270.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
853	ALL	478320.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
854	ALL	478370.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
855	ALL	478420.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-05
856	ALL	478470.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05
857	ALL	478520.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-05
858	ALL	478570.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-05
859	ALL	478620.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
860	ALL	478670.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
861	ALL	478720.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
862	ALL	478770.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
863	ALL	478820.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
864	ALL	478870.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
865	ALL	478920.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
866	ALL	478970.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
867	ALL	479020.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
868	ALL	479070.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-05
869	ALL	479120.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
870	ALL	479170.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
871	ALL	479220.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
872	ALL	479270.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
873	ALL	479320.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05
874	ALL	479370.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05
875	ALL	479420.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-05
876	ALL	479470.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
877	ALL	479520.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-05
878	ALL	479570.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
879	ALL	479620.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
880	ALL	479670.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
881	ALL	479720.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
882	ALL	479770.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05
883	ALL	479820.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
884	ALL	479870.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
885	ALL	479920.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
886	ALL	479970.4	3775440	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
887	ALL	477970.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
888	ALL	478020.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
889	ALL	478070.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
890	ALL	478120.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-05
891	ALL	478170.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05
892	ALL	478220.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
893	ALL	478270.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
894	ALL	478320.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
895	ALL	478370.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
896	ALL	478420.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
897	ALL	478470.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
898	ALL	478520.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05

899	ALL	478570.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
900	ALL	478620.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
901	ALL	478670.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
902	ALL	478720.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
903	ALL	478770.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
904	ALL	478820.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
905	ALL	478870.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
906	ALL	478920.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
907	ALL	478970.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
908	ALL	479020.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05
909	ALL	479070.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
910	ALL	479120.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
911	ALL	479170.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
912	ALL	479220.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
913	ALL	479270.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
914	ALL	479320.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
915	ALL	479370.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
916	ALL	479420.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
917	ALL	479470.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
918	ALL	479520.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-05
919	ALL	479570.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-05
920	ALL	479620.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05
921	ALL	479670.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
922	ALL	479720.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
923	ALL	479770.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
924	ALL	479820.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
925	ALL	479870.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05
926	ALL	479920.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
927	ALL	479970.4	3775490	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-05
928	ALL	477970.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
929	ALL	478020.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
930	ALL	478070.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05
931	ALL	478120.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05
932	ALL	478170.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05
933	ALL	478220.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
934	ALL	478270.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
935	ALL	478320.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
936	ALL	478370.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
937	ALL	478420.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
938	ALL	478470.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05
939	ALL	478520.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
940	ALL	478570.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
941	ALL	478620.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
942	ALL	478670.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
943	ALL	478720.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-05
944	ALL	478770.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
945	ALL	478820.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
946	ALL	478870.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
947	ALL	478920.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-05
948	ALL	478970.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-05

949	ALL	479020.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05
950	ALL	479070.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
951	ALL	479120.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
952	ALL	479170.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
953	ALL	479220.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
954	ALL	479270.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
955	ALL	479320.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
956	ALL	479370.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
957	ALL	479420.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-05
958	ALL	479470.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
959	ALL	479520.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-05
960	ALL	479570.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
961	ALL	479620.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
962	ALL	479670.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
963	ALL	479720.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
964	ALL	479770.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
965	ALL	479820.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05
966	ALL	479870.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
967	ALL	479920.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
968	ALL	479970.4	3775540	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
969	ALL	478861.4	3774619	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04
970	ALL	478791.5	3774518	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04
971	ALL	478789.7	3774444	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
972	ALL	478748.8	3774450	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
973	ALL	479103.5	3774681	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04
974	ALL	479094.5	3774696	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-04
975	ALL	479077.3	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
976	ALL	479101.5	3774732	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
977	ALL	479782.9	3774152	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04
978	ALL	479890.1	3774169	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
979	ALL	479890.1	3774137	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04
980	ALL	479913.7	3774138	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04
981	ALL	479911.2	3774168	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
982	ALL	479885.8	3774065	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
983	ALL	480398.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-04
984	ALL	480448.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
985	ALL	480498.5	3774179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
986	ALL	479998.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
987	ALL	480048.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
988	ALL	480098.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
989	ALL	480148.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
990	ALL	480198.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
991	ALL	480248.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
992	ALL	480298.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
993	ALL	480348.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04
994	ALL	480398.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04
995	ALL	480448.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04
996	ALL	480498.5	3774229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
997	ALL	479998.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-04
998	ALL	480048.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04

999	ALL	480098.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-04
1000	ALL	480148.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04
1001	ALL	480198.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04
1002	ALL	480248.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-04
1003	ALL	480298.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
1004	ALL	480348.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04
1005	ALL	480398.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04
1006	ALL	480448.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04
1007	ALL	480498.5	3774279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-04
1008	ALL	479998.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04
1009	ALL	480048.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04
1010	ALL	480098.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-04
1011	ALL	480148.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04
1012	ALL	480198.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04
1013	ALL	480248.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04
1014	ALL	480298.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04
1015	ALL	480348.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1016	ALL	480398.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04
1017	ALL	480448.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04
1018	ALL	480498.5	3774329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-04
1019	ALL	479998.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04
1020	ALL	480048.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04
1021	ALL	480098.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04
1022	ALL	480148.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04
1023	ALL	480198.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-04
1024	ALL	480248.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04
1025	ALL	480298.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04
1026	ALL	480348.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04
1027	ALL	480398.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1028	ALL	480448.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04
1029	ALL	480498.5	3774379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-04
1030	ALL	479998.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
1031	ALL	480048.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-04
1032	ALL	480098.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
1033	ALL	480148.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04
1034	ALL	480198.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04
1035	ALL	480248.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
1036	ALL	480298.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1037	ALL	480348.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04
1038	ALL	480398.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04
1039	ALL	480448.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04
1040	ALL	480498.5	3774429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1041	ALL	479998.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04
1042	ALL	480048.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04
1043	ALL	480098.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04
1044	ALL	480148.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04
1045	ALL	480198.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1046	ALL	480248.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1047	ALL	480298.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-05
1048	ALL	480348.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-05

1049	ALL	480398.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-05
1050	ALL	480448.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-05
1051	ALL	480498.5	3774479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
1052	ALL	479998.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-04
1053	ALL	480048.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04
1054	ALL	480098.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04
1055	ALL	480148.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.68E-05
1056	ALL	480198.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-05
1057	ALL	480248.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05
1058	ALL	480298.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05
1059	ALL	480348.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
1060	ALL	480398.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-05
1061	ALL	480448.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-05
1062	ALL	480498.5	3774529	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-05
1063	ALL	479998.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-04
1064	ALL	480048.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-05
1065	ALL	480098.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-05
1066	ALL	480148.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-05
1067	ALL	480198.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05
1068	ALL	480248.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05
1069	ALL	480298.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05
1070	ALL	480348.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05
1071	ALL	480398.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-05
1072	ALL	480448.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05
1073	ALL	480498.5	3774579	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-05
1074	ALL	479998.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05
1075	ALL	480048.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-05
1076	ALL	480098.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-05
1077	ALL	480148.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
1078	ALL	480198.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-05
1079	ALL	480248.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-05
1080	ALL	480298.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-05
1081	ALL	480348.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
1082	ALL	480398.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-05
1083	ALL	480448.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-05
1084	ALL	480498.5	3774629	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-05
1085	ALL	479998.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05
1086	ALL	480048.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-05
1087	ALL	480098.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-05
1088	ALL	480148.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05
1089	ALL	480198.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-05
1090	ALL	480248.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-05
1091	ALL	480298.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05
1092	ALL	480348.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-05
1093	ALL	480398.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
1094	ALL	480448.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
1095	ALL	480498.5	3774679	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-05
1096	ALL	479998.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-05
1097	ALL	480048.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-05
1098	ALL	480098.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-05

1099	ALL	480148.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05
1100	ALL	480198.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-05
1101	ALL	480248.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-05
1102	ALL	480298.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
1103	ALL	480348.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-05
1104	ALL	480398.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05
1105	ALL	480448.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-05
1106	ALL	480498.5	3774729	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
1107	ALL	479998.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
1108	ALL	480048.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05
1109	ALL	480098.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-05
1110	ALL	480148.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05
1111	ALL	480198.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05
1112	ALL	480248.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05
1113	ALL	480298.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-05
1114	ALL	480348.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-05
1115	ALL	480398.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1116	ALL	480448.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
1117	ALL	480498.5	3774779	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-05
1118	ALL	479998.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-05
1119	ALL	480048.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-05
1120	ALL	480098.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-05
1121	ALL	480148.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-05
1122	ALL	480198.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
1123	ALL	480248.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-05
1124	ALL	480298.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-05
1125	ALL	480348.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-05
1126	ALL	480398.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-05
1127	ALL	480448.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
1128	ALL	480498.5	3774829	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
1129	ALL	479998.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-05
1130	ALL	480048.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-05
1131	ALL	480098.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05
1132	ALL	480148.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-05
1133	ALL	480198.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
1134	ALL	480248.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
1135	ALL	480298.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-05
1136	ALL	480348.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-05
1137	ALL	480398.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
1138	ALL	480448.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
1139	ALL	480498.5	3774879	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05
1140	ALL	479998.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-05
1141	ALL	480048.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05
1142	ALL	480098.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05
1143	ALL	480148.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-05
1144	ALL	480198.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-05
1145	ALL	480248.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-05
1146	ALL	480298.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05
1147	ALL	480348.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
1148	ALL	480398.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05

1149	ALL	480448.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-05
1150	ALL	480498.5	3774929	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05
1151	ALL	479998.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-05
1152	ALL	480048.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
1153	ALL	480098.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-05
1154	ALL	480148.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
1155	ALL	480198.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
1156	ALL	480248.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-05
1157	ALL	480298.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-05
1158	ALL	480348.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05
1159	ALL	480398.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
1160	ALL	480448.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-05
1161	ALL	480498.5	3774979	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
1162	ALL	479998.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-05
1163	ALL	480048.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05
1164	ALL	480098.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05
1165	ALL	480148.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
1166	ALL	480198.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
1167	ALL	480248.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
1168	ALL	480298.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05
1169	ALL	480348.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
1170	ALL	480398.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-05
1171	ALL	480448.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
1172	ALL	480498.5	3775029	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1173	ALL	479998.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
1174	ALL	480048.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
1175	ALL	480098.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05
1176	ALL	480148.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
1177	ALL	480198.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
1178	ALL	480248.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1179	ALL	480298.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05
1180	ALL	480348.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
1181	ALL	480398.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
1182	ALL	480448.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1183	ALL	480498.5	3775079	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05
1184	ALL	479998.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05
1185	ALL	480048.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-05
1186	ALL	480098.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
1187	ALL	480148.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1188	ALL	480198.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05
1189	ALL	480248.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05
1190	ALL	480298.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
1191	ALL	480348.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
1192	ALL	480398.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
1193	ALL	480448.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
1194	ALL	480498.5	3775129	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
1195	ALL	479998.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-05
1196	ALL	480048.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05
1197	ALL	480098.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
1198	ALL	480148.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-05

1199	ALL	480198.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
1200	ALL	480248.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-05
1201	ALL	480298.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1202	ALL	480348.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1203	ALL	480398.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
1204	ALL	480448.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05
1205	ALL	480498.5	3775179	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
1206	ALL	479998.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1207	ALL	480048.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
1208	ALL	480098.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
1209	ALL	480148.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
1210	ALL	480198.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
1211	ALL	480248.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-05
1212	ALL	480298.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05
1213	ALL	480348.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-05
1214	ALL	480398.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
1215	ALL	480448.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
1216	ALL	480498.5	3775229	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05
1217	ALL	479998.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05
1218	ALL	480048.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05
1219	ALL	480098.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
1220	ALL	480148.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05
1221	ALL	480198.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
1222	ALL	480248.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-05
1223	ALL	480298.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
1224	ALL	480348.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-05
1225	ALL	480398.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
1226	ALL	480448.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05
1227	ALL	480498.5	3775279	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05
1228	ALL	479998.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
1229	ALL	480048.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05
1230	ALL	480098.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-05
1231	ALL	480148.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-05
1232	ALL	480198.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-05
1233	ALL	480248.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
1234	ALL	480298.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
1235	ALL	480348.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
1236	ALL	480398.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1237	ALL	480448.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1238	ALL	480498.5	3775329	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
1239	ALL	479998.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05
1240	ALL	480048.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1241	ALL	480098.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
1242	ALL	480148.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05
1243	ALL	480198.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-05
1244	ALL	480248.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05
1245	ALL	480298.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
1246	ALL	480348.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-05
1247	ALL	480398.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-05
1248	ALL	480448.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05

1249	ALL	480498.5	3775379	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05
1250	ALL	479998.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
1251	ALL	480048.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-05
1252	ALL	480098.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05
1253	ALL	480148.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1254	ALL	480198.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
1255	ALL	480248.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1256	ALL	480298.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
1257	ALL	480348.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05
1258	ALL	480398.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1259	ALL	480448.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1260	ALL	480498.5	3775429	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1261	ALL	479998.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05
1262	ALL	480048.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1263	ALL	480098.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05
1264	ALL	480148.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
1265	ALL	480198.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05
1266	ALL	480248.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-05
1267	ALL	480298.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
1268	ALL	480348.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
1269	ALL	480398.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05
1270	ALL	480448.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1271	ALL	480498.5	3775479	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05
1272	ALL	480254.7	3774120	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
1273	ALL	480287.5	3774148	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04
1274	ALL	480349.1	3774141	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
1275	ALL	480381.9	3774045	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04
1276	ALL	480444	3774004	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
1277	ALL	480407.6	3774006	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
1278	ALL	480390.5	3774008	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04
1279	ALL	480543	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-05
1280	ALL	480593	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-05
1281	ALL	480643	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.99E-05
1282	ALL	480693	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-05
1283	ALL	480743	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05
1284	ALL	480793	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05
1285	ALL	480843	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05
1286	ALL	480893	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05
1287	ALL	480943	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-05
1288	ALL	480993	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-05
1289	ALL	481043	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-05
1290	ALL	481093	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-05
1291	ALL	481143	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05
1292	ALL	481193	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
1293	ALL	481243	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-05
1294	ALL	481293	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
1295	ALL	481343	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
1296	ALL	481393	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
1297	ALL	481443	3774447	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05
1298	ALL	480543	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-05

1299	ALL	480593	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-05
1300	ALL	480643	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-05
1301	ALL	480693	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05
1302	ALL	480743	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05
1303	ALL	480793	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-05
1304	ALL	480843	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-05
1305	ALL	480893	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-05
1306	ALL	480943	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-05
1307	ALL	480993	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-05
1308	ALL	481043	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-05
1309	ALL	481093	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-05
1310	ALL	481143	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-05
1311	ALL	481193	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05
1312	ALL	481243	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-05
1313	ALL	481293	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05
1314	ALL	481343	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-05
1315	ALL	481393	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05
1316	ALL	481443	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
1317	ALL	481493	3774497	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05
1318	ALL	480543	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-05
1319	ALL	480593	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05
1320	ALL	480643	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-05
1321	ALL	480693	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-05
1322	ALL	480743	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-05
1323	ALL	480793	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05
1324	ALL	480843	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-05
1325	ALL	480893	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05
1326	ALL	480943	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05
1327	ALL	480993	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-05
1328	ALL	481043	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05
1329	ALL	481093	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-05
1330	ALL	481143	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-05
1331	ALL	481193	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05
1332	ALL	481243	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-05
1333	ALL	481293	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-05
1334	ALL	481343	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05
1335	ALL	481393	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-05
1336	ALL	481443	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05
1337	ALL	481493	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05
1338	ALL	481543	3774547	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
1339	ALL	480543	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-05
1340	ALL	480593	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-05
1341	ALL	480643	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05
1342	ALL	480693	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-05
1343	ALL	480743	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-05
1344	ALL	480793	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-05
1345	ALL	480843	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-05
1346	ALL	480893	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
1347	ALL	480943	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
1348	ALL	480993	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-05

1349	ALL	481043	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-05
1350	ALL	481093	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05
1351	ALL	481143	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-05
1352	ALL	481193	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05
1353	ALL	481243	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
1354	ALL	481293	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-05
1355	ALL	481343	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05
1356	ALL	481393	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-05
1357	ALL	481443	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05
1358	ALL	481493	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
1359	ALL	481543	3774597	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
1360	ALL	480543	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05
1361	ALL	480593	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05
1362	ALL	480643	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-05
1363	ALL	480693	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05
1364	ALL	480743	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-05
1365	ALL	480793	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-05
1366	ALL	480843	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-05
1367	ALL	480893	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05
1368	ALL	480943	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05
1369	ALL	480993	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-05
1370	ALL	481043	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05
1371	ALL	481093	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05
1372	ALL	481143	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
1373	ALL	481193	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05
1374	ALL	481243	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
1375	ALL	481293	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-05
1376	ALL	481343	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-05
1377	ALL	481393	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-05
1378	ALL	481443	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-05
1379	ALL	481493	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
1380	ALL	481543	3774647	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
1381	ALL	480543	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05
1382	ALL	480593	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-05
1383	ALL	480643	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-05
1384	ALL	480693	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-05
1385	ALL	480743	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05
1386	ALL	480793	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05
1387	ALL	480843	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
1388	ALL	480893	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-05
1389	ALL	480943	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-05
1390	ALL	480993	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-05
1391	ALL	481043	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-05
1392	ALL	481093	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05
1393	ALL	481143	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
1394	ALL	481193	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05
1395	ALL	481243	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-05
1396	ALL	481293	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
1397	ALL	481343	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
1398	ALL	481393	3774697	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-05

1399 ALL	481443	3774697 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05
1400 ALL	481493	3774697 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
1401 ALL	481543	3774697 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
1402 ALL	480543	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-05
1403 ALL	480593	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-05
1404 ALL	480643	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-05
1405 ALL	480693	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05
1406 ALL	480743	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05
1407 ALL	480793	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
1408 ALL	480843	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05
1409 ALL	480893	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05
1410 ALL	480943	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-05
1411 ALL	480993	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05
1412 ALL	481043	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-05
1413 ALL	481093	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
1414 ALL	481143	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-05
1415 ALL	481193	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-05
1416 ALL	481243	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-05
1417 ALL	481293	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1418 ALL	481343	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
1419 ALL	481393	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
1420 ALL	481443	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05
1421 ALL	481493	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
1422 ALL	481543	3774747 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1423 ALL	480543	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05
1424 ALL	480593	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05
1425 ALL	480643	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-05
1426 ALL	480693	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-05
1427 ALL	480743	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05
1428 ALL	480793	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-05
1429 ALL	480843	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1430 ALL	480893	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05
1431 ALL	480943	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
1432 ALL	480993	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05
1433 ALL	481043	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-05
1434 ALL	481093	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05
1435 ALL	481143	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
1436 ALL	481193	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-05
1437 ALL	481243	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05
1438 ALL	481293	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
1439 ALL	481343	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
1440 ALL	481393	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05
1441 ALL	481443	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05
1442 ALL	481493	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05
1443 ALL	481543	3774797 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1444 ALL	480543	3774847 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-05
1445 ALL	480593	3774847 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-05
1446 ALL	480643	3774847 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-05
1447 ALL	480693	3774847 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-05
1448 ALL	480743	3774847 NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-05

1449	ALL	480793	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-05
1450	ALL	480843	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05
1451	ALL	480893	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05
1452	ALL	480943	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-05
1453	ALL	480993	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05
1454	ALL	481043	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05
1455	ALL	481093	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-05
1456	ALL	481143	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-05
1457	ALL	481193	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1458	ALL	481243	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05
1459	ALL	481293	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05
1460	ALL	481343	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05
1461	ALL	481393	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05
1462	ALL	481443	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-05
1463	ALL	481493	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
1464	ALL	481543	3774847	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1465	ALL	480543	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05
1466	ALL	480593	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05
1467	ALL	480643	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-05
1468	ALL	480693	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-05
1469	ALL	480743	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1470	ALL	480793	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-05
1471	ALL	480843	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05
1472	ALL	480893	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-05
1473	ALL	480943	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05
1474	ALL	480993	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-05
1475	ALL	481043	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05
1476	ALL	481093	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05
1477	ALL	481143	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05
1478	ALL	481193	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05
1479	ALL	481243	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-05
1480	ALL	481293	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05
1481	ALL	481343	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05
1482	ALL	481393	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-05
1483	ALL	481443	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05
1484	ALL	481493	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05
1485	ALL	481543	3774897	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-05
1486	ALL	480543	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-05
1487	ALL	480593	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05
1488	ALL	480643	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05
1489	ALL	480693	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05
1490	ALL	480743	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05
1491	ALL	480793	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-05
1492	ALL	480843	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05
1493	ALL	480893	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-05
1494	ALL	480943	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-05
1495	ALL	480993	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-05
1496	ALL	481043	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05
1497	ALL	481093	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05
1498	ALL	481143	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05

1499	ALL	481193	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05
1500	ALL	481243	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-05
1501	ALL	481293	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-05
1502	ALL	481343	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05
1503	ALL	481393	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-05
1504	ALL	481443	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-05
1505	ALL	481493	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-05
1506	ALL	481543	3774947	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-05

2.55E-03

Appendix B
Biological Constraints Analysis

DUDEK
38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

MEMORANDUM

To:	Kevin Rice, Patriot Development Partners
From:	Michael Cady, Dudek
Subject:	Biological Constraints Analysis for the 5th Street Warehouse Project in Highland, California
Date:	January 26, 2023
Attachments:	A – Figures B – Photo Exhibit C – Assessment of Special-Status Plant Species Potentially Occurring in the Study Area D – Assessment of Special-Status Wildlife Species Potentially Occurring in the Study Area

Patriot Development Partners is proposing to construct an industrial/warehouse building (project) on a 7.87-acre property (project site) in Highland, California. The proposed work will involve demolition of existing residential structures and construction of a 176,066 square foot warehouse building, including loading docks, truck and vehicle parking, and landscaping, fencing, and street/sidewalk improvements. This memorandum (memo) details the methodology and results of Dudek's site visit and analysis of biological resources within the property (project site) and a 300-foot buffer (study area) in Highland, California (Attachment A: Figure 1, Project Location).

1 Project Location

Regionally, the project site is situated within the City of Highland in San Bernardino County, located in the western extent of the Inland Empire area near the southern slope of the San Bernadino Mountains (Figure 1). The project site occurs on the *Redlands* U.S. Geological Survey (USGS) 7.5-minute quadrangle map within Section 00 of Township 01S South, Range 03 West[1].

Locally, the project site is located directly east of Victoria Avenue, between 3rd and 5th street, approximately 1.4 miles west of State Route 210 and directly north of the San Bernardino International Airport (Figure 1). The project site is composed of 11 parcels (Assessor's Parcel Number 1192-551-01, 1192-551-14, 1192-551-15, 1192-551-02, 1192-551-03, 1192-551-04, 1192-551-05, 1192-551-06, 1192-551-07, 1192-551-12 and 1192-551-13).

2 Methodology

Dudek conducted a literature review and field visit to determine the existing biotic and abiotic conditions, and the presence of sensitive biological resources within the project site and a 300-foot buffer (study area). The field visit

[1] United States Public Land Survey System

was limited only to accessible public areas without trespassing on private property. Binoculars were used to survey inaccessible areas as feasible and aerial imagery was reviewed to complete mapping of potential resources.

2.1 Literature Review

Prior to conducting the field investigation, the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB) and California Native Plant Society (CNPS) inventory were queried based on the USGS 7.5-minute topographic quadrangle map for Redlands, California where the study area is located, as well as the adjacent USGS 7.5-minute quadrangle maps (i.e., Yucaipa, San Bernardino South, Harrison Mountain, San Bernardino North, Keller Peak, Sunnymead, El Casco, and Riverside East). The purpose of this review was to determine whether special-status plant and wildlife species are known to occur in the vicinity of or within the study area.

The following data sources were reviewed to assist with the assessment of biological resources:

- CDFW CNDDB (CDFW 2022a)
- CNPS Inventory of Rare and Endangered Plants (CNPS 2022a)
- U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (USFWS 2022a)
- U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (USDA 2022a)
- CDFW Biogeographic Information and Observation System (CDFW 2022b)

Other literature reviewed included A Manual of California Vegetation, Online Edition (CNPS 2022b); the California Natural Community List (CDFW 2022c); State and Federally Listed Endangered, Threatened, and Rare Plants of California (CDFW 2022d); State and Federally Listed Endangered and Threatened Animals of California (CDFW 2022e); and the CDFW California Wildlife Habitat Relationships Life History Accounts and Range Maps (CDFW 2022f). The following available resources were reviewed to assess the potential for jurisdictional waters: aerial photographs (Google 2022; National Environmental Title Research LLC [NETR] 2022); the USGS *Redlands* 7.5-minute topographic quadrangle map (USGS 2015); the National Hydrography Dataset and Watershed Boundary Dataset (USGS 2022); and the USFWS National Wetland Inventory (USFWS 2022b).

2.2 Field Visit

Dudek biologist Lily Sam performed the field survey on October 19, 2022 between 1130 and 1230 hours. The temperature during the survey was 92-degrees Fahrenheit (°F), clear skies, and wind speeds ranging between 3 and 5 miles per hour. The biological survey included vegetation mapping, the mapping of sensitive biological resources, if present, within the project site and an evaluation of the potential for special-status species to occur.

2.2.1 Vegetation Community and Land Cover Mapping

Vegetation communities and land uses within the study area were mapped in accordance with CDFW's Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities (CDFW 2018) and CNPS' Guideline for Mapping Rare Vegetation (CNPS 2011). Vegetation community classifications used in this report follow A Manual of California Vegetation, online edition (CNPS 2022b), and California Natural

Community List (CDFW 2022c), where feasible, with modifications made to accommodate the lack of conformity of the observed communities (e.g., developed/disturbed land uses) using Draft Vegetation Communities in San Diego County (Oberbauer et al. 2008) or in *Methods Used to Survey the Vegetation of Orange County Parks and Open Space Areas and The Irvine Company Property* (Jones and Stokes 1993).

Vegetation communities and land uses within the study area were mapped in the field using ESRI Collector, a mobile data collection application, on a digital aerial-based background. Following completion of the fieldwork, all vegetation linework was finalized using ArcGIS and geographic information system coverage was created. Once in ArcGIS, the acreage of each vegetation community and land cover present within the study area was determined.

2.2.2 Plants

All native and naturalized plant species encountered during pedestrian transects within the study area were identified and recorded to the extent feasible given the available plant phenology. Latin and common names for plant species with a California Rare Plant Rank (CRPR) follow the CNPS Online Inventory of Rare and Endangered Plants (CNPS 2022a). For plant species without a CRPR, Latin names follow the Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California (Jepson Flora Project 2022), and common names follow the USDA NRCS Plants Database (USDA 2022b).

2.2.3 Wildlife

The Dudek biologist walked the entire project site to identify and record all wildlife species as detected during field surveys by sight, calls, tracks, scat, or other signs. In addition to species observed, expected wildlife usage of the site was determined according to known habitat preferences of regional wildlife species and knowledge of their relative distributions in the area. No trapping or focused surveys for nocturnal species were conducted. Latin and common names of animals follow Crother (2012) for reptiles and amphibians, American Ornithologists' Society (AOS 2022) for birds, Wilson and Reeder (2005) for mammals, North American Butterfly Association (NABA 2018) for butterflies, and Moyle (2002) for fish.

2.3 Special-Status Species Habitat Assessment

Special-Status Plant Species

Endangered, rare, or threatened plant species as defined in Section 15380(b) of the CEQA Guidelines (14 CCR 15000 et seq.) are referred to as "special-status plant species" and, as used in this report, include (1) plant species listed, proposed for listing, or candidates for listing as endangered or threatened recognized in the context of California Endangered Species Act (CESA) and the federal Endangered Species Act (FESA) (CDFW 2022d); and/or (2) plant species with a CRPR 1B (plants that are rare, threatened, or endangered in California and elsewhere) or 2B (Plants rare, threatened, or endangered in California but more common elsewhere) as designated by the CNPS (2022a). CRPR list 3 (plants about which more information is needed) and 4 (plants of limited distribution) are not defined as species that are identified as a candidate, sensitive, or special status species.

For each species listed, a determination was made regarding the potential for the species to occur within the study area based on site-specific information gathered during the field reconnaissance, such as the location of

the site, vegetation communities and soils present, current site conditions, and each species' known range, habitat associations, preferred soil substrate, life form, elevation, and blooming period.

Special-Status Wildlife Species

Endangered, rare, or threatened wildlife species as defined in CEQA Guidelines, Section 15380(b) (14 CCR 15000 et seq.), are referred to as "special-status wildlife species" and, as used in this report, include (1) wildlife species listed, proposed for listing, or candidates for listing as endangered or threatened recognized in the context of CESA and FESA (CDFW 2022e); (2) California Species of Special Concern (SSC) as designated by CDFW (2022g); and (3) mammals and birds that are fully protected species as described in the California Fish and Game Code, Sections 4700 and 3511 (CDFW 2022h).

For each species listed, a determination was made regarding potential use within the study area based on site-specific information gathered during the field reconnaissance, such as the location of the site, vegetation communities and soils present, current site conditions, and each species' known range, habitat preferences, and knowledge of the species' relative distributions in the area.

3 Environmental Setting

The study area is in the western extent of the Inland Empire region of San Bernardino County near the southern slope of the San Bernardino Mountains, approximately 0.8 miles north of the Santa Ana River and 1.1 miles south of the Warm Creek wash. Western San Bernardino County has a hot-summer Mediterranean climate with mild winters and hot, dry summers. August is the average warmest month with an average high temperature of 96.2˚F and January is the coolest month on average with a low of 38.5˚F (WRCC 2022). Rainfall occurs primarily between November and April, with the maximum average precipitation occurring in February and the mean annual rainfall for the region is 16.12 inches of rain per year (WRCC 2022).

The proposed project is in a residential area, situated just north of the San Bernardino International Airport. The surrounding tracts are mostly developed and zoned as residential, industrial, or commercial. There are several undeveloped tracts to the immediate west and a flood control channel (City Creek) that is directed underground at the immediate southeast corner of the property, continues southwest below 3rd street for 0.15 miles, and is directed aboveground at the southwest corner of 3rd Street and Victoria Avenue. There is a large area of undeveloped land to the southeast owned by the San Bernardino International Airport. The Santa Ana river floodplain is just southeast of this area, 0.8 miles from the project site.

3.1 Topography

The topography of the study area is gentle sloping with no changes in the surrounding area. The project site sits between 1,141-1,149 feet above mean sea level (AMSL) (Google 2022).

3.2 Soils

According to the USDA NRCS Web Soil Survey (USDA 2022a), the study area contains two soil types: Tujunga gravely loamy sand, 0 to 9 percent slopes association and Psamments, Fluvents and Frequently flooded soils. The two soil types are described below according to its official soil description (USDA 2022c).

Tujunga Gravely Loamy Sand, 0 to 9 percent slopes

This soil mapping unit is nearly level to slightly sloping and is found on alluvial fans and floodplains. The primary soil type within this mapping unit is Tujunga gravely loamy sand, which is a somewhat excessively drained soil formed in alluvium of granitic rock. This soil mapping unit is found in most of the project site (approximately 80%) except for a small region in the southeast corner.

Psamments, Fluvents and Frequently flooded soils

This soil mapping unit is found in drainageways. It is composed of approximately 55% psamments and 45% fluvents, which are both somewhat excessively drained soils formed in alluvium. Psamments and fluvents are both suborders of the Entisol soil group, which do not form pedogenic horizons (USDA 2022d). This soil mapping unit is found in approximately 20% of the project site in the southeast corner, directly adjacent to a flood control channel (City Creek).

4 Results

Representative photos of the study area are included in Attachment B, Photo Exhibit.

4.1 Vegetation Communities and Land Covers

No vegetation communities were identified in the study area. The land cover types present in the study area are described below, their acreages are presented in Table 1, and their spatial distributions are presented in Figure 2, Land Cover (Attachment A).

Table 1. Land Cover Types in the Study Area

Land Cover	Acreage within the Study Area[1]
Disturbed Habitat	17.36
Non-Vegetated Channel of Floodway	0.28
Urban/Developed	12.73
Total[2]	**30.37**

Notes:
1 Project site and a 300-foot buffer.
2 Totals may not add up due to rounding.

4.1.1 Disturbed Habitat

Although not recognized by the Manual of California Vegetation, Online Edition (CNPS 2020b) or the Natural Communities List (CDFW 2020b), disturbed habitat is described in *Draft Vegetation Communities of San Diego County* (Oberbauer et al. 2008). Disturbed habitat is described as areas generally lacking vegetation due to high levels of existing or historical human disturbance and are no longer recognizable as a native or naturalized vegetation association. Areas mapped as disturbed habitat may include unpaved roads, trails, and graded areas (Oberbauer et al. 2008). Vegetation in these areas, if present at all, is usually sparse and dominated by non-native weedy herbaceous species (Oberbauer et al. 2008). The disturbed habitat consists of most of the project site and surrounding 300-foot

buffer. Apart from one western sycamore tree (*Platanus racemose*), all native and non-native vegetation listed in 4.2 below was found in the disturbed regions of the project site. Historical imagery and observations during the field visit provided evidence of regular maintenance and discing in the disturbed regions of the study area. These regions were overall sparsely vegetated with patches of dry grassland.

4.1.2 Non-Vegetated Channel

Natural flood channel, also described as non-vegetated channel or floodway (Oberbauer et al. 2008), is the sandy, gravelly, or rocky fringe of waterways or flood channels that are earthen-bottom, and unvegetated on a relatively permanent basis. Vegetation may be present but is usually less than 10% total cover and grows on the outer edge of the channel. This natural flood channel was mapped in the southeast corner of the study area, outside of the project site. The channel is directed underground approximately 12 feet from the project site.

4.1.3 Urban/Developed

Although not recognized by the Manual of California Vegetation, Online Edition (CNPS 2022b), or the Natural Communities List (CDFW 2022c), urban/developed lands are described by Oberbauer et al. (2008). According to Oberbauer et al. (2008), urban/developed land represents areas that have been constructed upon or otherwise physically altered to an extent that native vegetation communities are not supported. This land cover type generally includes permanent or semi-permanent structures, pavement or hardscape, landscaped areas, and areas with a large amount of debris or other materials (Oberbauer et al. 2008). Typically, this land cover type is unvegetated or only supports a variety of ornamental plants and landscaping. Developed land within the project site and 300-foot buffer consists of residential housing and paved streets. One native western sycamore tree (*Platanus racemose*) was found in the developed land within the project site.

4.2 Plants

Two native plant species, two ornamental trees, and various non-native annual/perennial herbs were observed within the project site and the surrounding 300-foot buffer. The ornamental trees include one Peruvian pepper tree (*Schinus mole*) and one chinaberry tree (*Melia azedarach*) located in the Disturbed southwestern region of the property. One native western sycamore tree (*Platanus racemose*) is located at the southern end of the property between two buildings. Native telegraph weed (*Heterotheca grandiflora*) and various non-native herbaceous plants including cowpen daisy (*Verbesina encelioides*), puncture vine (*Tribulus terrestris*), short-pod mustard (*Hirschfeldia incana*), and spotted spurge (*Euphorbia maculata*) are located along the border of the property. The study area was otherwise devoid of vegetation. The vegetation classified within the study area can be found in the vegetation community descriptions above.

4.2.1 Special-Status Plant Species Assessment

57 plant species that meet the special-status definition in Section 2.3 above have recorded occurrences in the USGS Redlands 7.5-minute quadrangle and eight surrounding quadrangles (CDFW 2022a, CNPS 2022a) or are included in the IPaC report for the study area (USFWS 2022a). Each special-status plant species is assessed in Attachment C. The study area is not within any designated critical habitat (USFWS 2022a). No special-status species were observed during the site visit. Due to the disturbed and developed conditions of the site and lack of suitable vegetation, microhabitat conditions, and topographic setting, none of the special status species are expected to

occur within the project site. Species that occur in similar soil types as the project site are not expected to occur due to the impacted and compacted conditions of the soil.

4.3 Wildlife

Three species of wildlife were observed during the survey. Bird species observed were common raven (*Corvus corax*), house finch (*Haemorhous mexicanus*), and house sparrow (*Passer domesticus*). No reptiles were observed. No amphibians were observed. No mammal species were observed. However, evidence of burrows was observed during the site visit.

4.3.1 Special-Status Wildlife Species Assessment

50 wildlife species that meet the special-status definition in Section 2.3 above have recorded occurrences in the USGS Redlands 7.5-minute quadrangle and eight surrounding quadrangles (CDFW 2022a) or are included in the IPaC report for the study area (USFWS 2022a). Each special-status wildlife species is assessed in Attachment E. The study area is not within any designated critical habitat (USFWS 2022a). No special-status wildlife species were observed during the site visit. One special-status wildlife species has a moderate potential to occur: burrowing owl (*Athene cunicularia*), a CDFW Species of Special Concern (SSC). The burrowing owl is an opportunistic species that can move onto a site once a suitable burrow is established and unoccupied. Grassland habitat within the disturbed area of the project site and small mammal burrows found during the site visit may provide suitable habitat for this species. While the grassland habitat is highly disturbed and regularly maintained, there is one known occurrence of this species less than one mile from the project site. All other mentioned special-status species are not expected to occur at the project site due to the disturbed habitat conditions and the lack of suitable habitat, soils, and vegetation.

4.4 Jurisdictional Aquatic Resources

A formal delineation of aquatic resources was not conducted as part of this survey effort. There are no jurisdictional aquatic resources or connectivity to any aquatic habitat within the Project site. However, a flood control channel (City Creek) is located within the Study Area, directly to the east of the project site. This feature is expected to carry waters of the U.S. regulated by the Clean Water Act and be defined as a stream that is regulated under California Fish and Game Code. While construction activities will not directly impact this channel, erosion, and chemical pollution (releases of fuel, oil, lubricants, paints, release agents, and other construction materials) may affect jurisdictional waters. The release of chemical pollutants can reduce the water quality downstream and degrade adjacent habitats.

4.5 Wildlife Movement, Corridors, and Nursery Sites

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Corridors can also be aquatic resources that provide passage for fish. Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as steppingstones for wildlife dispersal.

On a regional level, the study area does not occur within any designated wildlife corridors or habitat linkages identified in the South Coast Missing Linkages analysis conducted by South Coast Wildlands (2008). The study area

is not mapped as an area of essential habitat connectivity in CDFW's California Essential Habitat Connectivity Project (Spenser et al. 2010) as shown in the CDFW BIOS (CDFW 2022b) and is identified as an area with Limited Connectivity. Though no essential habitat occurs at the vicinity level, the study area is located 2.8 miles south of the foothills of the San Bernardino National Forest, which is mapped as an Essential Connectivity Area and Irreplaceable and Essential Corridors. The project site is surrounded by developed areas consisting of buildings, parking lots, and paved/asphalt roads. Due to the disturbed and developed nature of the project site and surrounding area, project activities are not expected to have any negative impacts on wildlife movement.

The study area lacks aquatic habitat and is isolated from streams that do support habitat. Therefore, the study area does not support fish or their movement. Three trees occur within the project site; however, they are isolated from one another; therefore, it is unlikely for the project site to support large wildlife nursery sites. The study area contains some vegetation that could provide nesting habitat for birds protected under the Migratory Bird Treaty Act and California Fish and Game Code Sections 3503, 3503.5, and 351. The surrounding open areas can support ground nesting species such as killdeer.

5 Recommendations

Based upon Dudek's experience with other projects in the Inland Empire region, San Bernardino Mountains, and San Bernardino County, in addition to what the resource agencies typically request, the following surveys and measures are recommended to ensure impacts to special-status plants, special-status wildlife, nesting birds, jurisdictional waters and City-protected trees are avoided.

- **Focused Burrowing Owl Surveys:** The project site contains potentially suitable habitat for burrowing owl and therefore a presence/absence survey should be conducted in accordance with the Staff Report on Burrowing Owl Mitigation (CDFW 2012). The burrowing owl presence/absence survey requires four crepuscular surveys, with a 500-foot buffer as legally able, using 7-20 meter transects. Four survey passes must be conducted with at least one site visit between February 15 and April 15, and a minimum of three survey visits, spaced at least three weeks apart, between April 15 and July 15, with at least one visit after June 15. A pre-construction survey of the project site for the burrowing owl is also recommended within 30 days of ground disturbing activities if suitable habitat exists, regardless of the results of the focused surveys (CDFW 2012). Surveys should be conducted in all portions of the project site and 500-foot buffer that contain suitable habitat for the species, where legally accessible. Alternatively, instead of conducting focused surveys, the project may also choose to assume presence of the species and prepare a burrowing owl translocation plan that would be implemented if burrowing owl are detected on the project site during the pre-construction survey.
- **City of Highland Tree Ordinance:** If the trees located within the project site are to be removed during construction activities, a tree inventory must be taken to determine whether they are considered "heritage trees" and thereby subject to the City of Highland's tree ordinance. The City of Highlands's Municipal Code, Section 16.64.040 addresses the preservation of heritage trees and specifies required conditions and permits necessary for removal of heritage trees (City of Highland 2022). Section 16.06.080 defines heritage trees as any live tree, shrub, or plant which meets at least one for the following criteria: 1) All woody plants in excess of 15 feet in height and having a single trunk circumference of 24 inches or more, as measures 4 and one-half feet above ground level; or 2) Multitrunked trees having a total circumference of 30 inches or more, as measured four and one-half feet from the ground; 3) A stand of trees, the nature

of which makes each dependent upon the others for survival; or 4) Any other tree as may be deemed historically or culturally significant by the Community Development Director or designee because of size, condition, location, or aesthetic value (Title 16, Chapter 16 of the City's Municipal Code). Removal of heritage trees requires a permit application and approval by the City's Community Development Director. Any heritage tree removal subject to a tree removal permit shall require replacement at a ratio of two to or (2:1) with size and species to be determined by the Community Development Director.

- Stormwater Pollution Prevention Plan (SWPPP): During construction, erosion-control measures would be implemented as part of the Storm Water Pollution Prevention Plan (SWPPP) for the Project. Prior to the start of construction activities, the Contractor is required to file a Permit Registration Document with the State Water Resources Control Board (SWRCB) in order to obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with the Construction and Land Disturbance Activities (Order No 2009-009-DWQ, NPDES No. CAS000002) or the latest approved general permit. This permit is required for earthwork that results in the disturbance of one acre or more of total land area. The required SWPPP will mandate the implementation of best management practices to reduce or eliminate construction-related pollutants in the runoff, including sediment. Therefore, temporary indirect impacts would be less than significant due to compliance with regulations.
- Pre-Construction Nesting Bird Survey: Trees and residential buildings within the project site may provide nesting habitat for native migratory birds protected by the federal Migratory Bird Treaty Act (MBTA) and California Fish and Game Code Sections 3500 and 3513. Project construction should be conducted in compliance with the conditions set forth in the MBTA and California Fish and Game Code to protect active bird/raptor nests. To the maximum extent feasible, construction of the warehouse facility and disturbance to the project site should occur during the non-breeding season for nesting birds (generally late September to early March) and nesting raptors (generally early July to late January) to avoid impacts to nesting birds and raptors. If the project requires that work be initiated during the breeding season for nesting birds (March 1–September 30) and nesting raptors (February 1–June 30), in order to avoid direct impacts on active nests, a pre-construction survey should be conducted in the study area by qualified Biologists (someone who has more than three years of experience of conducting nesting bird surveys in the project region) for nesting birds and/or raptors within three days prior to project activities. If the Biologist does not find any active nests within or immediately adjacent to the impact areas, the vegetation clearing/construction work should be allowed to proceed.

  If the Biologist finds an active nest within or immediately adjacent to the construction area and determines that the nest may be impacted or breeding activities substantially disrupted, the Biologist should delineate an appropriate buffer zone around the nest depending on the sensitivity of the species and the nature of the construction activity. At the discretion of the biologist, a no-work buffer zone shall be established suitable to the particular bird species and location of the nest until the nest is vacated and juveniles have fledged, and there is no evidence of a second attempt at nesting. Limits of construction to avoid an active nest shall be established in the field with flagging, fencing, or other appropriate barriers, and construction personnel shall be instructed on the sensitivity of nest areas. The results of the surveys, showing the locations of any active nests detected, and documentation of any avoidance measures taken, shall be submitted to the CEQA lead agency to document compliance with applicable state and federal laws.

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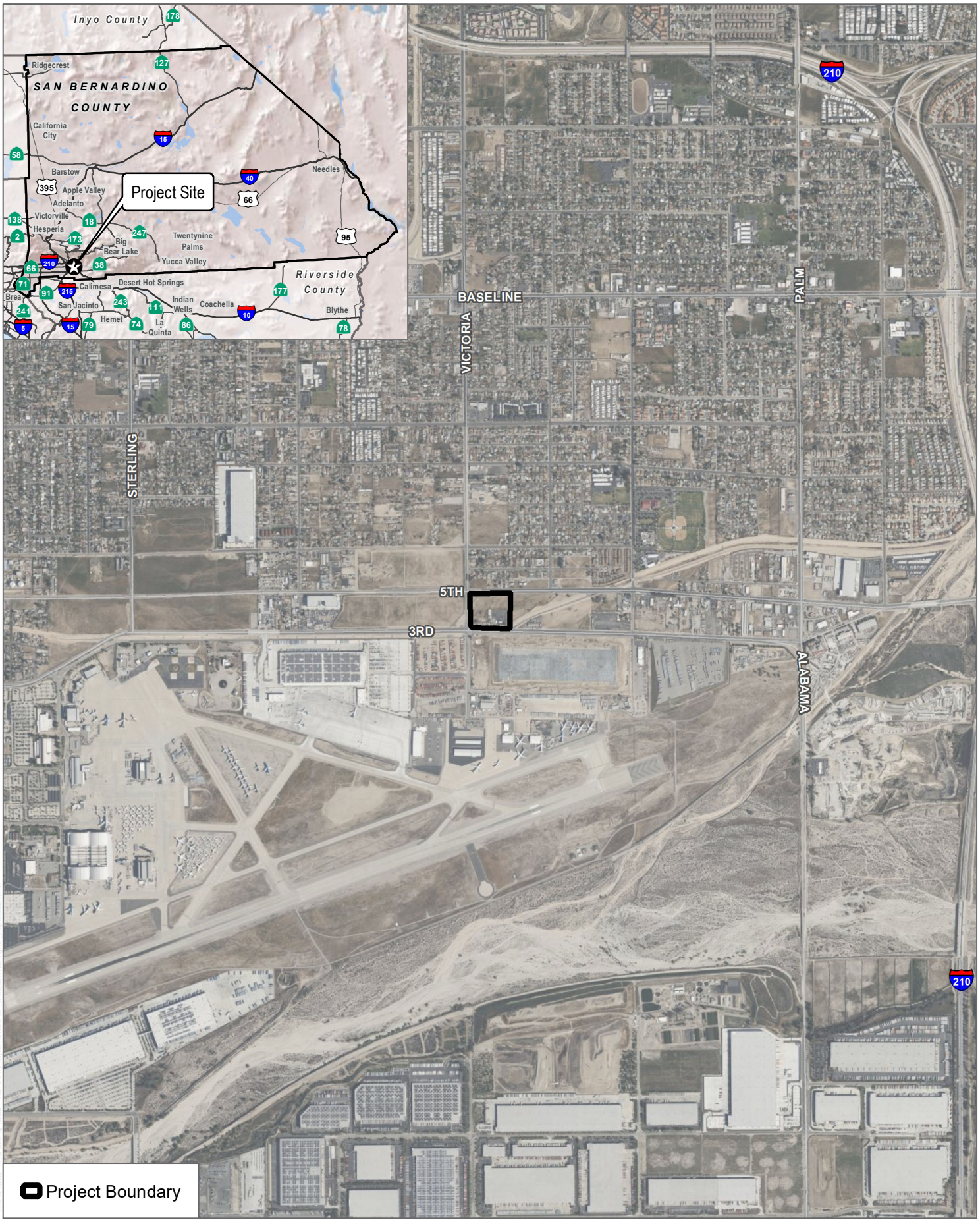
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Attachment A
Figures



SOURCE: Bing Imagery 2021

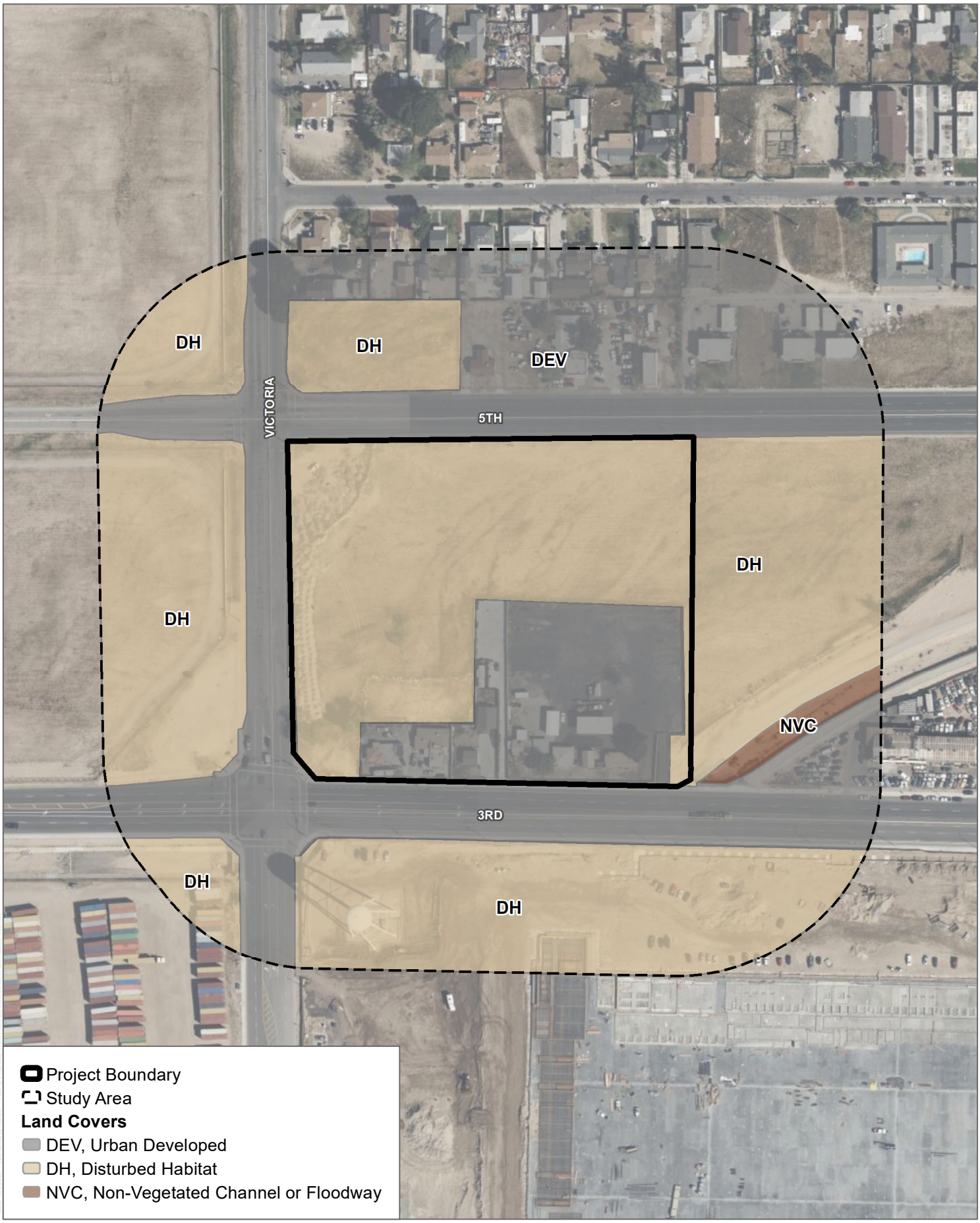
DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

5th Street and Victoria Avenue Warehouse Project



SOURCE: Bing Imagery 2021

DUDEK

0 100 200 Feet

FIGURE 2

Land Covers

5th Street and Victoria Avenue Warehouse Project

Attachment B

Photo Exhibit



Photo 1. Facing northwest. View of residential structures in southwest region of project site.



Photo 2. Facing southwest. View of sparsely vegetated disturbed habitat in northern region of project site.



Photo 3. Facing south-southeast. View of disturbed habitat in northern region of property with view of residential buildings located in southwest region of project site.



Photo 4. Facing east. View of residential development in the vicinity to the east of the project site. Also pictured are chaparral communities dominant on slopes surrounding the project site.

Attachment C

Assessment of Special-Status Plant Species Potentially Occurring in the Study Area

Scientific Name	Common Name	Status[1] (Federal/State/CRPR)	Primary Habitat Associations	Potential to Occur
Abronia villosa var. *aurita*	chaparral sand-verbena	None/None/1B.1	Chaparral, Coastal scrub, Desert dunes; Sandy/annual herb/(Jan)Mar–Sep/245–5,245	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, there are no known occurrences within 10 miles of the study area (CDFW 2022).
Allium howellii var. *clokeyi*	Mt. Pinos onion	None/None/1B.3	Great Basin scrub, Meadows and seeps, Pinyon and juniper woodland/perennial bulbiferous herb/Apr–June/4,265–6,065	Not expected to occur. The site is outside of the species' known elevation range.
Allium marvinii	Yucaipa onion	None/None/1B.2	Chaparral/perennial bulbiferous herb/Apr–May/2,490–3,490	Not expected to occur. The site is outside of the species' known elevation range.
Ambrosia pumila	San Diego ambrosia	FE/None/1B.1	Chaparral, Coastal scrub, Valley and foothill grassland, Vernal pools; Alkaline (sometimes), Clay (sometimes), Disturbed areas (often), Loam (sometimes), Sandy (sometimes)/perennial rhizomatous herb/Apr–Oct/65–1,360	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, there are no known occurrences within 10 miles of the study area (CDFW 2022).
Arenaria paludicola	marsh sandwort	FE/SE/1B.1	Marshes and swamps; Openings, Sandy/perennial stoloniferous herb/May–Aug/10–560	Not expected to occur. The site is outside of the species' known elevation range.
Astragalus hornii var. *hornii*	Horn's milk-vetch	None/None/1B.1	Meadows and seeps, Playas; Alkaline, Lake Margins/annual herb/May–Oct/195–2,785	Not expected to occur. Project site lacks suitable micro-habitat (i.e., alkaline soils).
Astragalus pachypus var. *jaegeri*	Jaeger's milk-vetch	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; Rocky (sometimes), Sandy (sometimes)/perennial shrub/Dec–June/1,195–3,195	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, there are no known occurrences within 10 miles of the study area (CDFW 2022).
Atriplex coronata var. *notatior*	San Jacinto Valley crownscale	FE/None/1B.1	Playas, Valley and foothill grassland, Vernal pools; Alkaline/annual herb/Apr–Aug/455–1,640	Not expected to occur. Project site lacks suitable micro-habitat (i.e., alkaline soils).
Atriplex serenana var. *davidsonii*	Davidson's saltscale	None/None/1B.2	Coastal bluff scrub, Coastal scrub; Alkaline/annual herb/Apr–Oct/35–655	Not expected to occur. The site is outside of the species' known elevation range.

Scientific Name	Common Name	Status[1] (Federal/State/CRPR)	Primary Habitat Associations	Potential to Occur
Berberis nevinii	Nevin's barberry	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub; Gravelly (sometimes), Sandy (sometimes)/perennial evergreen shrub/(Feb)Mar–June/230–2,705	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, the closest known location is 5.2 miles from the study area (CDFW 2022).
Bouteloua trifida	three-awned grama	None/None/2B.3	Mojavean desert scrub/perennial herb/(Apr)May–Sep/2,295–6,560	Not expected to occur. The site is outside of the species' known elevation range.
Brodiaea filifolia	thread-leaved brodiaea	FT/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Playas, Valley and foothill grassland, Vernal pools; Clay (often)/perennial bulbiferous herb/Mar–June/80–3,670	Not expected to occur. Project site lacks suitable micro-habitat (i.e., clay soils).
Calochortus palmeri var. *palmeri*	Palmer's mariposa-lily	None/None/1B.2	Chaparral, Lower montane coniferous forest, Meadows and seeps; Mesic/perennial bulbiferous herb/Apr–July/2,325–7,840	Not expected to occur. The site is outside of the species' known elevation range.
Calochortus simulans	La Panza mariposa-lily	None/None/1B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland; Granitic (often), Sandy, Serpentinite (sometimes)/perennial bulbiferous herb/Apr–June/1,065–3,770	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, there are no known occurrences within 10 miles of the study area (CDFW 2022).
Carex comosa	bristly sedge	None/None/2B.1	Coastal prairie, Marshes and swamps, Valley and foothill grassland/perennial rhizomatous herb/May–Sep/0–2,050	Not expected to occur. Project site lacks suitable wetland habitat preferred by this species (Jepson 2022).
Castilleja cinerea	ash-gray paintbrush	FT/None/1B.2	Meadows and seeps, Mojavean desert scrub, Pebble (Pavement) plain, Pinyon and juniper woodland, Upper montane coniferous forest/perennial herb (hemiparasitic)/June–Aug/5,905–9,710	Not expected to occur. The site is outside of the species' known elevation range.

Scientific Name	Common Name	Status[1] (Federal/State/CRPR)	Primary Habitat Associations	Potential to Occur
Castilleja lasiorhyncha	San Bernardino Mountains owl's-clover	None/None/1B.2	Chaparral, Meadows and seeps, Pebble (Pavement) plain, Riparian woodland, Upper montane coniferous forest; Mesic/annual herb (hemiparasitic)/May–Aug/4,265–7,840	Not expected to occur. The site is outside of the species' known elevation range.
Centromadia pungens ssp. *laevis*	smooth tarplant	None/None/1B.1	Chenopod scrub, Meadows and seeps, Playas, Riparian woodland, Valley and foothill grassland; Alkaline/annual herb/Apr–Sep/0–2,095	Not expected to occur. Project site lacks suitable micro-habitat (i.e., alkaline soils).
Chloropyron maritimum ssp. *maritimum*	salt marsh bird's-beak	FE/SE/1B.2	Coastal dunes, Marshes and swamps/annual herb (hemiparasitic)/May–Oct(Nov)/0–100	Not expected to occur. The site is outside of the species' known elevation range.
Chorizanthe parryi var. *parryi*	Parry's spineflower	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; Openings, Rocky (sometimes), Sandy (sometimes)/annual herb/Apr–June/900–4,000	Low potential to occur. Sandy soils are present, however the project site has been landscaped and regularly maintained since 1959 (NETR 2022). There are 12 known occurrences within 5 miles of the study area but all were in or before year 2006.
Chorizanthe xanti var. *leucotheca*	white-bracted spineflower	None/None/1B.2	Coastal scrub, Mojavean desert scrub, Pinyon and juniper woodland; Gravelly (sometimes), Sandy (sometimes)/annual herb/Apr–June/985–3,935	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, the closest known location is 9.3 miles from the study area (CDFW 2022).
Cuscuta obtusiflora var. *glandulosa*	Peruvian dodder	None/None/2B.2	Marshes and swamps/annual vine (parasitic)/July–Oct/50–920	Not expected to occur. The site is outside of the species' known elevation range.
Dodecahema leptoceras	slender-horned spineflower	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub; Sandy/annual herb/Apr–June/655–2,490	Low potential to occur. Sandy soils are present at the site and the closest known occurrence is 2.3 miles away (CDFW 2022). However, the project site has been landscaped and regularly maintained since 1959 (NETR 2022).

Scientific Name	Common Name	Status[1] (Federal/State/CRPR)	Primary Habitat Associations	Potential to Occur
Eriastrum densifolium ssp. *sanctorum*	Santa Ana River woollystar	FE/SE/1B.1	Chaparral, Coastal scrub; Gravelly (sometimes), Sandy (sometimes)/perennial herb/Apr–Sep/300–2,000	Not expected to occur. Project site lacks the suitable habitat for this species to occur.
Erythranthe exigua	San Bernardino Mountains monkeyflower	None/None/1B.2	Meadows and seeps, Pebble (Pavement) plain, Upper montane coniferous forest; Clay, Mesic/annual herb/May–July/5,905–7,595	Not expected to occur. The site is outside of the species' known elevation range.
Fimbristylis thermalis	hot springs fimbristylis	None/None/2B.2	Meadows and seeps/perennial rhizomatous herb/July–Sep/360–4,395	Not expected to occur. Project site lacks suitable freshwater wetland habitat preferred by this species (Calflora 2022).
Galium californicum ssp. *primum*	Alvin Meadow bedstraw	None/None/1B.2	Chaparral, Lower montane coniferous forest; Granitic, Sandy/perennial herb/May–July/4,425–5,575	Not expected to occur. The site is outside of the species' known elevation range.
Helianthus nuttallii ssp. *parishii*	Los Angeles sunflower	None/None/1A	Marshes and swamps/perennial rhizomatous herb/Aug–Oct/35–5,000	Not expected to occur. Project site lacks suitable freshwater or saltwater wetland habitat preferred by this species (Calflora 2022).
Heuchera parishii	Parish's alumroot	None/None/1B.3	Alpine boulder and rock field, Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; Carbonate (sometimes), Rocky/perennial rhizomatous herb/June–Aug/4,920–12,465	Not expected to occur. The site is outside of the species' known elevation range.
Horkelia cuneata var. *puberula*	mesa horkelia	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub; Gravelly (sometimes), Sandy (sometimes)/perennial herb/Feb–July(Sep)/230–2,655	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, all three known occurrences within 10 miles of the study area were prior to year 1910 (CDFW 2022).

Scientific Name	Common Name	Status[1] (Federal/State/CRPR)	Primary Habitat Associations	Potential to Occur
Imperata brevifolia	California satintail	None/None/2B.1	Chaparral, Coastal scrub, Meadows and seeps, Mojavean desert scrub, Riparian scrub; Mesic/perennial rhizomatous herb/Sep–May/0–3,985	Not expected to occur. Project site lacks suitable mesic conditions.
Ivesia argyrocoma var. *argyrocoma*	silver-haired ivesia	None/None/1B.2	Meadows and seeps, Pebble (Pavement) plain, Upper montane coniferous forest/perennial herb/June–Aug/4,795–9,710	Not expected to occur. The site is outside of the species' known elevation range.
Lasthenia glabrata ssp. *coulteri*	Coulter's goldfields	None/None/1B.1	Marshes and swamps, Playas, Vernal pools/annual herb/Feb–June/5–4,000	Not expected to occur. Project site lacks suitable freshwater or saltwater wetland habitat preferred by this species (Calflora 2022).
Lilium parryi	lemon lily	None/None/1B.2	Lower montane coniferous forest, Meadows and seeps, Riparian forest, Upper montane coniferous forest; Mesic/perennial bulbiferous herb/July–Aug/4,000–9,005	Not expected to occur. The site is outside of the species' known elevation range.
Lycium parishii	Parish's desert-thorn	None/None/2B.3	Coastal scrub, Sonoran desert scrub/perennial shrub/Mar–Apr/445–3,280	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, there are no known occurrences within 10 miles of the study area (CDFW 2022).
Malacothamnus parishii	Parish's bush-mallow	None/None/1A	Chaparral, Coastal scrub/perennial deciduous shrub/June–July/1,000–1,490	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, there are no known occurrences within 10 miles of the study area (CDFW 2022).
Monardella macrantha ssp. *hallii*	Hall's monardella	None/None/1B.3	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland/perennial rhizomatous herb/June–Oct/2,395–7,200	Not expected to occur. The site is outside of the species' known elevation range.

Scientific Name	Common Name	Status[1] (Federal/State/CRPR)	Primary Habitat Associations	Potential to Occur
Monardella pringlei	Pringle's monardella	None/None/1A	Coastal scrub/annual herb/May–June/985–1,310	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, there are no known occurrences within 10 miles of the study area (CDFW 2022).
Nama stenocarpa	mud nama	None/None/2B.2	Marshes and swamps/annual/perennial herb/Jan–July/15–1,640	Not expected to occur. Project site lacks suitable freshwater wetland habitat preferred by this species (Calflora 2022).
Nasturtium gambelii	Gambel's water cress	FE/ST/1B.1	Marshes and swamps/perennial rhizomatous herb/Apr–Oct/15–1,080	Not expected to occur. Project site lacks suitable wetland habitat preferred by this species (Calflora 2022).
Packera bernardina	San Bernardino ragwort	None/None/1B.2	Meadows and seeps, Pebble (Pavement) plain, Upper montane coniferous forest/perennial herb/May–July/5,905–7,545	Not expected to occur. The site is outside of the species' known elevation range.
Pelazoneuron puberulum var. *sonorensis*	Sonoran maiden fern	None/None/2B.2	Meadows and seeps/perennial rhizomatous herb/Jan–Sep/165–2,000	Not expected to occur. Project site lacks suitable wetland habitat preferred by this species (Calflora 2022).
Perideridia parishii ssp. *parishii*	Parish's yampah	None/None/2B.2	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest/perennial herb/June–Aug/4,805–9,840	Not expected to occur. The site is outside of the species' known elevation range.
Phacelia stellaris	Brand's star phacelia	None/None/1B.1	Coastal dunes, Coastal scrub/annual herb/Mar–June/5–1,310	Not expected to occur. Project site lacks suitable coastal dune habitat.
Pseudorontium cyathiferum	Deep Canyon snapdragon	None/None/2B.3	Sonoran desert scrub/annual herb/Feb–Apr/0–2,620	Not expected to occur. Project site has been landscaped and regularly maintained since 1959 (NETR 2022). In addition, there are no known occurrences within 10 miles of the study area (CDFW 2022).
Ribes divaricatum var. *parishii*	Parish's gooseberry	None/None/1A	Riparian woodland/perennial deciduous shrub/Feb–Apr/215–985	Not expected to occur. The site is outside of the species' known elevation range.

Scientific Name	Common Name	Status[1] (Federal/State/CRPR)	Primary Habitat Associations	Potential to Occur
Schoenus nigricans	black bog-rush	None/None/2B.2	Marshes and swamps/perennial herb/Aug–Sep/490–6,560	Not expected to occur. Project site lacks suitable wetland habitat preferred by this species (Calflora 2022).
Senecio aphanactis	chaparral ragwort	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub; Alkaline (sometimes)/annual herb/Jan–Apr(May)/50–2,620	Not expected to occur. Project site lacks suitable micro-habitat (i.e. alkaline soils).
Sidalcea hickmanii ssp. *parishii*	Parish's checkerbloom	None/SR/1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest/perennial herb/(May)June–Aug/3,280–8,195	Not expected to occur. The site is outside of the species' known elevation range.
Sidalcea malviflora ssp. *dolosa*	Bear Valley checkerbloom	None/None/1B.2	Lower montane coniferous forest, Meadows and seeps, Riparian woodland, Upper montane coniferous forest/perennial herb/May–Aug/4,900–8,805	Not expected to occur. The site is outside of the species' known elevation range.
Sidalcea neomexicana	salt spring checkerbloom	None/None/2B.2	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas; Alkaline, Mesic/perennial herb/Mar–June/50–5,015	Not expected to occur. Project site lacks suitable micro-habitat (i.e. alkaline, mesic soils).
Sidalcea pedata	bird-foot checkerbloom	FE/SE/1B.1	Meadows and seeps, Pebble (Pavement) plain/perennial herb/May–Aug/5,245–8,200	Not expected to occur. The site is outside of the species' known elevation range.
Sphenopholis obtusata	prairie wedge grass	None/None/2B.2	Cismontane woodland, Meadows and seeps; Mesic/perennial herb/Apr–July/985–6,560	Not expected to occur. Project site lacks suitable mesic habitat.
Streptanthus campestris	southern jewelflower	None/None/1B.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland; Rocky/perennial herb/(Apr)May–July/2,950–7,545	Not expected to occur. The site is outside of the species' known elevation range.

Scientific Name	Common Name	Status[1] (Federal/State/CRPR)	Primary Habitat Associations	Potential to Occur
Symphyotrichum defoliatum	San Bernardino aster	None/None/1B.2	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Marshes and swamps, Meadows and seeps, Valley and foothill grassland; Streambanks/perennial rhizomatous herb/July–Nov/5–6,690	Not expected to occur. Project site lacks suitable wetland habitat preferred by this species (Calflora 2022).
Trichocoronis wrightii var. *wrightii*	Wright's trichocoronis	None/None/2B.1	Marshes and swamps, Meadows and seeps, Riparian forest, Vernal pools; Alkaline/annual herb/May–Sep/15–1,425	Not expected to occur. Project site lacks suitable wetland habitat preferred by this species (Calflora 2022).
Yucca brevifolia	western Joshua tree	None/SC/CBR	Great Basin grassland, Great Basin scrub, Joshua tree woodland, Mojavean desert scrub, Pinyon and juniper woodland, Sonoran desert scrub, Valley and foothill grassland/perennial leaf succulent/Apr–May/1,310–6,560	Not expected to occur. The site is outside of the species' known elevation range.

[1] **Status Legend:**

Federal Designations

FE Federally listed Endangered

FT Federally listed as Threatened

State Designations

SE State listed as Endangered

ST State listed as Threatened

SR State Rare

California Rare Plant Ranking (CRPR)

CRPR List 1A Plants presumed extinct in California

CRPR List 1B Plants rare, threatened, or endangered in California and elsewhere

CRPR List 2A Plants rare, threatened, or endangered in California but common elsewhere

CRPR List 2B Plants rare, threatened, or endangered in California but more common elsewhere

CRPR List 3 Plants about which more information is needed – a review list

CRPR List 4 Plants of limited distribution – a watch list

.1 Seriously endangered in California (over 80% of occurrences threatened/high degree and immediacy of threat)

.2 Fairly endangered in California (20% to 80% of occurrences threatened)

.3 Not very endangered in California (less than 20% of occurrences threatened or no current threats known)

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Attachment D

Assessment of Special-Status Wildlife Species Potentially Occurring in the Study Area

Scientific Name	Common Name	Status[1] (Federal/State)	Primary Habitat Associations	Potential to Occur
Amphibians				
Rana draytonii	California red-legged frog	FT/SSC	Lowland streams, wetlands, riparian woodlands, livestock ponds; dense, shrubby or emergent vegetation associated with deep, still or slow-moving water; uses adjacent uplands	Not expected to occur. Project site lacks suitable aquatic habitat.
Rana muscosa	mountain yellow-legged frog	FE/SE	Lakes, ponds, meadow streams, isolated pools, and open riverbanks; rocky canyons in narrow canyons and in chaparral	Not expected to occur. Project site lacks suitable aquatic habitat.
Spea hammondii	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley–foothill woodlands, pastures, and other agriculture	Not expected to occur. Project site lacks suitable aquatic habitat.
Reptiles				
Anniella stebbinsi	southern California legless lizard	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley–foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	Not expected to occur. Project site lacks suitable habitat (dunes or moist, loose soils).
Arizona elegans occidentalis	California glossy snake	None/SSC	Arid scrub, rocky washes, grasslands, chaparral, open areas with loose soil	Low potential to occur. There are three known occurrences between 2013-2015 within 5 miles of project site (CDFW 2022A). The grassland within the project site is highly disturbed and regularly maintained. additionally, suitable loose soils are not present.

Scientific Name	Common Name	Status[1] (Federal/State)	Primary Habitat Associations	Potential to Occur
Aspidoscelis tigris stejnegeri	San Diegan tiger whiptail	None/SSC	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Low potential to occur. There are three known occurrences within 5 miles of the project site (CDFW 2022A). However, the project site is developed/disturbed and lacks suitable habitat.
Charina umbratica	southern rubber boa	None/ST	Montane oak–conifer and mixed-conifer forests, montane chaparral, wet meadows; usually in vicinity of streams or wet meadows	Not expected to occur. Project site lacks suitable habitat.
Coleonyx variegatus abbotti	San Diego banded gecko	None/SSC	Rocky areas within coastal scrub and chaparral	Not expected to occur. Project site lacks suitable habitat. No known occurrences within 5 miles (CDFW 2022A).
Crotalus ruber	red diamondback rattlesnake	None/SSC	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Low potential to occur. Two known occurrences within 5 miles of project site in 2015 and 2017 (CDFW 2022A). Site and surrounding areas are disturbed/developed which reduces likelihood of occurence. However, grassy cover and small mammal burrows are present and may provide suitable foraging habitat.
Emys marmorata	western pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Not expected to occur. Aquatic resources are not present within the project site.
Phrynosoma blainvillii	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley–foothill hardwood, conifer, riparian, pine–cypress, juniper, and annual grassland habitats	Not expected to occur. Suitable habitat is not present within the project site. Three known occurrences within 5 miles were between 1926-1991 (CDFW 2022A).
Salvadora hexalepis virgultea	coast patch-nosed snake	None/SSC	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Not expected to occur. While small mammal burrows are present within the project site, , there are no known occurrences within 5 miles (CDFW 2022A).

Scientific Name	Common Name	Status[1] (Federal/State)	Primary Habitat Associations	Potential to Occur
Thamnophis hammondii	two-striped gartersnake	None/SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. Aquatic resources are not present within the project site.
Birds				
Agelaius tricolor (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberrry; forages in grasslands, woodland, and agriculture	Not expected to occur. Suitable nesting habitat is not present within the project site.
Aquila chrysaetos (nesting & wintering)	golden eagle	None/FP, WL	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats	Not expected to occur. No suitable nesting habitat present within the project site and the area is too developed to support foraging and overwintering. In addition, there are no known occurrences within 5 miles of the project site (CDFW 2022A).
Athene cunicularia (burrow sites & some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Moderate potential to occur. The grassland onsite is highly disturbed, however, small mammal burrows were observed during the 2022 biological reconnaissance visit. In addition, there is one known recent occurrence in 2006 less than a mile from the project site (CDFW 2022A).
Buteo swainsoni (nesting)	Swainson's hawk	None/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Not expected to occur. While isolated trees are present within the project site, the only known occurrence within 10 miles occurred prior to 1920 (CDFW 2022A).
Coccyzus americanus occidentalis (nesting)	western yellow-billed cuckoo	FT/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. No suitable nesting habitat present within the project site.

Scientific Name	Common Name	Status[1] (Federal/State)	Primary Habitat Associations	Potential to Occur
Elanus leucurus (nesting)	white-tailed kite	None/FP	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Not expected to occur. While individual trees and disturbed land may provide suitable nesting/foraging habitat, there are no known occurrences within 10 miles of project site (CDFW 2022A).
Empidonax traillii extimus (nesting)	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Not expected to occur. No suitable riparian nesting habitat present within the project site.
Haliaeetus leucocephalus (nesting & wintering)	bald eagle	FPD/FP, SE	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains	Not expected to occur. No suitable nesting or overwintering habitat present within the project site.
Icteria virens (nesting)	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. No suitable nesting habitat present within the project site.
Lanius ludovicianus (nesting)	loggerhead shrike	None/SSC	Nests and forages in open habitats with scattered shrubs, trees, or other perches	Not expected to occur. While scattered trees and open habitat is present at/near project site, there are no known occurrences within 10 miles (CDFW 2022A).
Laterallus jamaicensis coturniculus	California black rail	None/FP, ST	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. Suitable aquatic habitat is not present within the project site.

Scientific Name	Common Name	Status[1] (Federal/State)	Primary Habitat Associations	Potential to Occur
Polioptila californica californica	coastal California gnatcatcher	FT/SSC	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Not expected to occur. Suitable habitat is not present within the project site. In addition, the project site is above the typical nesting elevation.
Setophaga petechia (nesting)	yellow warbler	None/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Not expected to occur. Suitable nesting habitat is not present within the project site.
Spinus lawrencei (nesting)	Lawrence's goldfinch	BCC/None	Nests and forages in open oak, arid woodlands, and chaparral near water	Not expected to occur. Suitable nesting habitat and nearby water source are not present within the project site.
Vireo bellii pusillus (nesting)	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Not expected to occur. No suitable riparian nesting habitat present within the project site.
Fishes				
Catostomus santaanae	Santa Ana sucker	FT/None	Small, shallow, cool, clear streams less than 7 meters (23 feet) in width and a few centimeters to more than a meter (1.5 inches to more than 3 feet) in depth; substrates are generally coarse gravel, rubble, and boulder	Not expected to occur. Project site lacks suitable aquatic habitat.

Scientific Name	Common Name	Status[1] (Federal/State)	Primary Habitat Associations	Potential to Occur
Gila orcuttii	arroyo chub	None/SSC	Warm, fluctuating streams with slow-moving or backwater sections of warm to cool streams at depths >40 centimeters (16 inches); substrates of sand or mud	Not expected to occur. Project site lacks suitable aquatic habitat.
Oncorhynchus mykiss irideus pop. 10	southern steelhead - southern California DPS	FE/None	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	Not expected to occur. Project site lacks suitable aquatic habitat.
Rhinichthys osculus ssp. 8	Santa Ana speckled dace	None/SSC	Headwaters of the Santa Ana and San Gabriel Rivers; may be extirpated from the Los Angeles River system	Not expected to occur. Project site lacks suitable aquatic habitat.
Mammals				
Antrozous pallidus	pallid bat	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees	Not expected to occur. While man-made structures and trees within the project site may provide suitable roosting habitat, this species is intolerant of nearby urban development (Miner and Stokes 2005) and is not likely to roost. There is one known occurrence within 5 miles in 1928 (CDFW 2022A).
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	None/SSC	Coastal scrub, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent shrub, pinyon–juniper, and annual grassland	Not expected to occur. The disturbed grassland habitat onsite and the surrounding areas are regularly disced. within the project
Dasypterus xanthinus	western yellow bat	None/SSC	Valley–foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Not expected to occur. Suitable riparian/palm roosting habitat is not present within the project site.

Scientific Name	Common Name	Status[1] (Federal/State)	Primary Habitat Associations	Potential to Occur
Dipodomys merriami parvus	San Bernardino kangaroo rat	FE/SSC, SCE	Sparse scrub habitat, alluvial scrub/coastal scrub habitats on gravelly and sandy soils near river and stream terraces	Not expected to occur. The Project site lacks suitable alluvial/coastal scrub habitat for this species to occur. within the project
Dipodomys stephensi	Stephens' kangaroo rat	FE/ST	Annual and perennial grassland habitats, coastal scrub or sagebrush with sparse canopy cover, or in disturbed areas	Not expected to occur. While disturbed, grassland habitat is present at the project site there are no known occurrences within 5.0 miles (CDFW 2022A).
Eumops perotis californicus	western mastiff bat	None/SSC	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Not expected to occur. While trees at project site may provide roosting habitat, the surrounding area is developed. This species prefers to roost in extensive, open areas which are not present at or near the project site (CDFW 2022Ab). In addition, the three known occurrences within 5 miles occurred prior to 1993 (CDFW 2022A).
Glaucomys oregonensis californicus	San Bernardino flying squirrel	None/SSC	Coniferous and deciduous forests, including riparian forests	Not expected to occur. Suitable forest habitat is not present within the project site.
Leptonycteris yerbabuenae	lesser long-nosed bat	FPD/SSC	Sonoran desert scrub, semi-desert grasslands, lower oak woodlands	Not expected to occur. Suitable habitat is not present within the project site. In addition, there are no known occurrences within 5 miles (CDFW 2022A).
Neotoma lepida intermedia	San Diego desert woodrat	None/SSC	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Not expected to occur. Suitable habitat is not present within the project site. Two known occurrences within 5 miles. Both occurrences were associated with scrub habitat (CDFW 2022A).
Nyctinomops femorosaccus	pocketed free-tailed bat	None/SSC	Pinyon–juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Not expected to occur. Project site and surrounding areas lack suitable foraging and roosting habitat. One known occurrence within 5 miles occurred in 1985 (CDFW 2022A).

Scientific Name	Common Name	Status[1] (Federal/State)	Primary Habitat Associations	Potential to Occur
Onychomys torridus ramona	southern grasshopper mouse	None/SSC	Grassland and sparse coastal scrub	Not expected to occur. While grassland habitat is present within the project site, there are no known occurrences within 5 miles (CDFW 2022A).
Perognathus alticola alticolus	white-eared pocket mouse	None/SSC	Arid ponderosa pine communities	Not expected to occur. Suitable habitat is not present within the project site.
Perognathus longimembris brevinasus	Los Angeles pocket mouse	None/SSC	Lower-elevation grassland, alluvial sage scrub, and coastal scrub	Not expected to occur. There is no suitable habitat present. The highly disturbed grassland onsite is regularly disced.
Taxidea taxus	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Not expected to occur. While grassland habitat is present at the project site, frequent disturbance and nearby development likely prevents presence. One known occurrence within 5 miles of project site, though date of occurrence is unknown (CDFW 2022A).
Invertebrates				
Danaus plexippus	monarch	FC/None	Wind-protected tree groves with nectar sources and nearby water sources	Not expected to occur. Suitable wind-protective tree groves and nearby water sources are not present within the project site.
Euphydryas editha quino	quino checkerspot butterfly	FE/SCE	Annual forblands, grassland, open coastal scrub and chaparral; often soils with cryptogamic crusts and fine-textured clay; host plants include Plantago erecta, Antirrhinum coulterianum, and Plantago patagonica (Silverado Occurrence Complex)	Not expected to occur. Suitable habitat is not present within the project site. One known occurrence within 5 miles occurred in 1914 (CDFW 2022A).
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	FE/None	Delhi fine sandy soils and dunes, scrub and ruderal vegetation in the sand verbena series with <50% cover	Not expected to occur. Delhi fine sands are not present. And CNDDB shows project site is northeast of known occurrences.
Streptocephalus woottoni	Riverside fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. Project site lacks suitable aquatic habitat.

[1] **Status Legend:**

Federal Designations

FC Candidate for federal listing as threatened or endangered

FE Federally listed Endangered

FT Federally listed as Threatened

FD Federally Delisted

State Designations

SE State listed as Endangered

ST State listed as Threatened

SCE State candidate for listing as Endangered

SD State Delisted

FP Fully protected species

SSC Species of Special Concern

References

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Appendix C
Cultural Resources Survey

38 NORTH MARENGO AVENUE
PASADENA, CALIFORNIA 91101
T 626.204.9800 F 626.204.9834

THIS IS A DRAFT VERSION FOR AGENCY REVIEW. NOT FOR FORMAL SUBMISSION OF PUBLIC VIEW

January 26, 2023 14709

Kevin Rice
Patriot Partners
12126 West Sunset Boulevard
Los Angeles, California 90094

Subject: Draft Archaeological Resources Assessment for the 5th Street and Victoria Avenue Warehouse Project, City of Highland, San Bernardino County, California

Dear Mr. Kevin Rice:

This letter documents the archaeological resources assessment conducted by Dudek for the 5th Street and Victoria Avenue Warehouse Project (Project), located within the City of Highland, San Bernardino County, California. The present study documents the results of a California Historical Resources Information System (CHRIS) records search conducted at the South Central Coastal Information Center (SCCIC), Native American coordination with the Native American Heritage Commission (NAHC) for a Sacred Lands File (SLF) review, an archaeological pedestrian survey, an analysis of the potential for the proposed Project site to contain archaeological resources, as well as management recommendations. The City of Highland (City) is the lead agency responsible for compliance with California Environmental Quality Act (CEQA).

Project Location

The proposed Project site is located within the southwestern area of the City of Highland, in western San Bernardino County, California. The proposed Project site falls on public land survey system (PLSS) Section 5 of Township 1 South, Range 3 West on the *Redlands*, California 7.5-minute USGS Quadrangle (Appendix A: Figure 1). The approximately 7.23-acre rectangular-shaped proposed Project site, located at the southeastern corner of 5th Street and Victoria Avenue, is composed of ten (10) parcels (Assessor's Parcel Numbers [APNs], 1192-551-14, 1192-551-15, 1192-551-02, 1192-551-03, 1192-551-04, 1192-551-05, 1192-551-06, 1192-551-07, 1192-551-12 and 1192-551-13) within the City of Highland. Additionally, one (1) parcel (APN 1192-551-01) located within the City of San Bernardino annexed to the City of Highland, for a total of eleven (11) parcels. The site is bounded by 5th Street to the north, Victoria Avenue to the west, 3rd Street to the south, and vacant land and City Creek to the east (Appendix A: Figure 2).

Project Description

The proposed Project includes the demolition of three (3) existing residential structures and construction of an approximately 176,066-square-foot (gross area, inclusive of mezzanine/office spaces), one-story warehouse building on an approximately 7.23-acre site (gross area). The warehouse building would be composed of

approximately 164,066 square feet of warehouse space and 12,000 square feet of mezzanine/office space. In addition to the industrial/warehouse building, the proposed Project includes improvements along the proposed Project's street frontage, including landscaping, fencing, and street and sidewalk improvements. A variety of trees, shrubs, and groundcovers would be planted within the proposed Project's frontage landscape setback area, and within the landscape areas found around the warehouse building. Access to the proposed Project site would be provided by four driveways: two (2) driveways on the western portion of the site on Victoria Avenue; one (1) driveway on the northern portion of the site on 5th street Avenue; and one driveway on the southern portion of the site on 3rd Street. The proposed Project would include a total of 98 passenger parking stalls.

The proposed Project site is currently served by domestic water, sanitary sewer, electrical, natural gas, and telecommunication service. The proposed Project would connect to the existing facilities located on and in the immediate vicinity of the proposed Project site as follows:

- A new 2-inch water line would be installed on the western side of the proposed Project site to connect to the existing 6-inch water line within the public right-of-way (ROW) along Victoria Avenue to provide domestic and irrigation water service to the proposed Project site.
- Fire suppression water service would be provided via connections to existing lines in both Victoria Avenue and 3rd Street.
- One new 6-inch sewer line would connect to the existing 21-inch sewer line within 5th Street.
- Connection to a 3-inch gas line within Victoria Avenue.
- Connection to existing electrical lines within Victoria Avenue. Telecommunication services would connect to existing facilities.

The proposed Project site is not currently served by storm drainage infrastructure and as such, the Project is proposed to involve the construction of a new engineered storm drain system to collect and treat on-site stormwater runoff. On-site stormwater will be collected via a series of roof drains, curbs, and gutters, and catch basins before being conveyed to an on-site underground infiltration basin located in the western portion of the proposed Project site. The infiltration/detention basin would be designed to allow for stormwater flows to infiltrate into the soils. The infiltration basin would be sized to capture and infiltrate flows for a 100-year design storm, consistent with the San Bernardino County Hydraulics Manual. The overflow from the infiltration system would be directed through a proposed 24-inch outlet connecting to the back of the existing catch basin on Victoria Avenue, which discharges to the 3rd Street storm drain system.

The proposed Project would also involve the removal of the existing drainage ditch along Victoria Avenue and its replacement with an 18-inch and 42-inch storm drain that will connect to the existing 48-inch corrugated metal pipe within 6th Street. The new storm drain would still be connected to the existing City storm drain line and a parkway catch basin would be installed along Victoria Avenue so that runoff within Victoria Avenue would still be captured. Two 4-foot by 4-foot bypass curb inlets would be installed to filter off-site debris and trash from runoff on Victoria Avenue.

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Current Project design indicates that the minimum depth of ground disturbance for the proposed Project site is between 3 to 4 feet below the existing ground surface and a maximum depth of 16 feet below the existing ground surface for the installation of the infiltration basin within the western portion of the proposed Project site.

Environmental Setting

The approximately 7.23-acre rectangular-shaped proposed Project site is located on the southeastern corner of 5th Street and Victoria Avenue. Of the eleven (11) parcels that comprise the Project site, six (6) parcels are developed with residential uses (APNs 1192-551-02, 1192-551-03, 1192-551-04, 1192-551-05, 1192-551-06, and 1192-551-07) and the remaining five (5) parcels are undeveloped (APN 1192-551-01, 1192-551-14, 1192-551-15, 1192-551-12, and 1192-551-13). The undeveloped parcels appear to have been regularly subjected to weed abatement as evidenced by tilling activities; vegetation present during the survey was largely comprised of ruderal (i.e., weedy) species and grasses.

The proposed Project site is within the Upper Santa Ana River Watershed and is nearly 3 miles southwest of the San Bernardino Mountains, over 1-mile north of the Santa Ana River, and immediately west of the southern terminus of the City Creek Channel, which is a direct tributary to the Santa Ana River. The proposed Project site is relatively flat and generally slopes down from the northwest corner to the southwest corner and the average site elevation is approximately 803 feet above mean sea level (amsl). According to the Natural Resources Conservation Service (NRCS) Web Soil Survey (USDA 2022), soils within the proposed Project site predominantly consists of Tujunga Series, which accounts for approximately 85 percent of the proposed Project site. The remaining approximately 15 percent of the proposed Project site, including portions of APNs 1192-551-04, 1192-551-05, 1192-551-06, and 1192-551-07, consists Psamments, Fluvents and frequently flooded soils. These soil series are described in the NRCS Web Soil Survey as follows:

- **Tujunga Series**: Characterized as very deep, somewhat excessively drained soils that formed in alluvium from granitic sources. This soils series is found on alluvial fans and floodplains, including urban areas and consists of slopes ranging from 0 to 12 percent.
- **Psamments, Fluvents and frequently flooded soils Series**: No characterization information is provided on this soil series through the NRCS Web Soil Survey.

Regulatory Context

Work for this Project was conducted in compliance with the California Environmental Quality Act (CEQA). The regulatory framework as it pertains to cultural resources under CEQA is detailed below.

Under the provisions of CEQA, including the CEQA Statutes (PRC Sections 21083.2 and 21084.1), the CEQA Guidelines (14 CCR 15064.5), and California Public Resources Code (PRC) Section 5024.1 (14 CCR 4850 et seq.), properties expected to be directly or indirectly affected by a proposed project must be evaluated for California Register of Historical Resources (CRHR) eligibility (PRC Section 5024.1).

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The purpose of the CRHR is to maintain listings of the state's historical resources and to indicate which properties are to be protected, to the extent prudent and feasible, from material impairment and substantial adverse change. The term historical resources includes a resource listed in or determined to be eligible for listing in the CRHR; a resource included in a local register of historical resources; and any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant (14 CCR 15064.5[a]). The criteria for listing properties in the CRHR were developed in accordance with previously established criteria developed for listing in the National Register of Historic Places. The California Office of Historic Preservation regards "any physical evidence of human activities over 45 years old" as meriting recordation and evaluation (OHP 1995:2).

State

The California Register of Historical Resources

A cultural resource is considered "historically significant" under CEQA if the resource meets one or more of the criteria for listing on the CRHR. The CRHR was designed to be used by state and local agencies, private groups, and citizens to identify existing cultural resources within the state and to indicate which of those resources should be protected, to the extent prudent and feasible, from substantial adverse change. The following criteria have been established for the CRHR. A resource is considered significant if it:

1. is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
2. is associated with the lives of persons important in our past;
3. embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4. has yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting one or more of the above criteria, historical resources eligible for listing in the CRHR must retain enough of their historic character or appearance to be able to convey the reasons for their significance. Such integrity is evaluated in regard to the retention of location, design, setting, materials, workmanship, feeling, and association.

Under CEQA, if an archeological site is not a historical resource but meets the definition of a "unique archeological resource" as defined in PRC Section 21083.2, then it should be treated in accordance with the provisions of that section. A unique archaeological resource is defined as follows:

- An archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:
    - Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information
    - Has a special and particular quality, such as being the oldest of its type or the best available example of its type
    - Is directly associated with a scientifically recognized important prehistoric or historic event or person

Resources that neither meet any of these criteria for listing in the CRHR nor qualify as a "unique archaeological resource" under CEQA (PRC Section 21083.2) are viewed as not significant. Under CEQA, "A non-unique

archaeological resource need be given no further consideration, other than the simple recording of its existence by the lead agency if it so elects" (PRC Section 21083.2[h]).

Impacts that adversely alter the significance of a resource listed in or eligible for listing in the CRHR are considered a significant effect on the environment. Impacts to historical resources from a proposed project are thus considered significant if the project (1) physically destroys or damages all or part of a resource; (2) changes the character of the use of the resource or physical feature within the setting of the resource, which contributes to its significance; or (3) introduces visual, atmospheric, or audible elements that diminish the integrity of significant features of the resource.

California Environmental Quality Act

As described further, the following CEQA statutes (PRC Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

- PRC Section 21083.2(g) defines "unique archaeological resource."
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource"; it also defines the circumstances when a project would materially impair the significance of a historical resource.
- PRC Section 21074(a) defines "tribal cultural resources."
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- PRC Sections 21083.2(b) and 21083.2(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures. Preservation in place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (PRC Section 21084.1; CEQA Guidelines Section 15064.5(b)). If a site is listed or eligible for listing in the CRHR, or included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1(q)), it is an "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5(b)(1); PRC Section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project does any of the following:

(1) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or

(2) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

(3) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA (CEQA Guidelines Section 15064.5(b)(2)).

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.2(a)–(c)).

Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

(1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.

(2) Has a special and particular quality such as being the oldest of its type or the best available example of its type.

(3) Is directly associated with a scientifically recognized important prehistoric or historic event or person (PRC Section 21083.2(g)).

Impacts on nonunique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)). However, if a nonunique archaeological resource qualifies as a TCR (PRC Sections 21074(c) and 21083.2(h)), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in PRC Section 5097.98.

California State Assembly Bill 52

Assembly Bill (AB) 52 of 2014 amended PRC Section 5097.94 and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. AB 52 established that tribal cultural resources (TCRs)

must be considered under CEQA and also provided for additional Native American consultation requirements for the lead agency. Section 21074 describes a TCR as a site, feature, place, cultural landscape, sacred place, or object that is considered of cultural value to a California Native American Tribe and that is either:

- On or determined to be eligible for the California Register of Historical Resources or a local historic register; or
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1.

AB 52 formalizes the lead agency–tribal consultation process, requiring the lead agency to initiate consultation with California Native American groups that are traditionally and culturally affiliated with the project site, including tribes that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

Section 1 (a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment." Effects on TCRs should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.2 to the PRC, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource." Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to tribal cultural resources, the consultation shall include those topics (PRC Section 21080.3.2[a]). The environmental document and the mitigation monitoring and reporting program (where applicable) shall include any mitigation measures that are adopted (PRC Section 21082.3[a]).

California Health and Safety Code Section 7050.5

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. California Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the county coroner has examined the remains (Section 7050.5(b)). PRC Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact NAHC within 24 hours (Section 7050.5(c)). NAHC will notify the "most likely descendant." With the permission of the landowner, the most likely descendant may inspect the site of discovery. The inspection must be completed within 48 hours of notification of the most likely descendant by NAHC. The most likely descendant may recommend means of treating or disposing of, with appropriate dignity, the human remains, and items associated with Native Americans.

Local

Historic and Cultural Preservation Ordinance (Chapter 16.32)

The City of Highland Cultural Resource Designation Criteria are listed under the Historic and Cultural Preservation Ordinance, adopted in 2021. This ordinance also defines the establishment and duties of a historic and cultural preservation board consisting of five uncompensated voting members appointed by the city council. The city council and city of Highland has found and determined:

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A. That the character and history of the city are reflected in its cultural, historical, and architectural heritage;

B. That these historical and cultural foundations should be preserved as living parts of community life and development to build an understanding of the city's past, so that future generations may have a genuine opportunity to appreciate, enjoy, and understand the rich heritage of the city;

C. That, in the face of ever increasing pressures of modernization and urbanization, city landmarks, neighborhoods, and other areas of historical and cultural interest are threatened with demolition;

D. That pursuant to the provisions of the National Historic Preservation Act of 1966, as amended, the city of Highland joins with private concerns, the state of California, and the United States Congress to develop preservation programs and activities to give maximum encouragement to agencies and individuals undertaking preservation of the city's unique architectural, historical, aesthetic, and cultural heritage.

E. The purpose of this chapter is to promote the public health, safety, and general welfare and:

1. To safeguard the city's unique cultural heritage as embodied and reflected in the city's architectural history and patterns of cultural development;

2. To encourage and facilitate public knowledge, understanding, and appreciation of the city's historic past and unique sense of place;

3. To preserve diverse architectural styles, patterns of development, and design preferences reflecting phases of the city's history and to encourage complementary contemporary design and construction and inspire a more livable urban environment;

4. To enhance property values and to increase economic and financial benefits to the city and its inhabitants through the exploration of creative financial incentives for preservation;

5. To protect and enhance the city's attraction to tourists and visitors thereby stimulating business and industry;

6. To identify as early as possible and resolve conflicts between the preservation of cultural resources and alternative land uses;

7. To integrate the preservation of cultural resources into public and private land use management and development processes;

8. To stabilize neighborhoods through the preservation of cultural resources and establishment of historic districts and conservation zones;

9. To encourage public participation in identifying and preserving historical and architectural resources thereby increasing community pride in the city's cultural heritage;

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10. To acknowledge the historic preservation plan "Old Town" as a tool for preservation of the unique character of the city's Highland Historic District. (Ord. 270 § 6, 2001; Ord. 171 § 8.10, 1994)

16.32.050 Cultural resource designation criteria.

For the purposes of this chapter, an improvement, natural feature, or site may be nominated as a cultural resource by the historic and cultural preservation board pursuant to HMC 16.32.060 if it meets the criteria for listing on the National Register of Historic Places or the following:

A. It exemplifies or reflects special elements of the city's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history;

B. It is identified with persons or events significant in local, state, or national history;

C. It embodies distinctive characteristics of a style, type, period, or method of construction, or is a valuable example of the use of indigenous materials or craftsmanship;

D. It is representative of the work of a notable builder, designer, or architect;

E. It contributes to the significance of an historic area, being a geographically definable area possessing a concentration of historic or scenic properties or thematically related grouping of properties which contribute to each other and are unified aesthetically by plan or physical development;

F. It has a unique location or singular physical characteristics or is a view or vista representing an established and familiar visual feature of a neighborhood, community, or the city of Highland;

G. It embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation;

H. It is similar to other distinctive properties, sites, areas, or objects based on a historic, cultural, or architectural motif.

I. It reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning.

J. It is one of the few remaining examples in the city, region, state, or nation possessing distinguishing characteristics of an architectural or historical type of specimen. (Ord. 171 § 8.50, 1994)

Background Research

SCCIC Records Search

Due to COVID-19 restrictions, the SCCIC notified researchers that the response time for records searches of the CHRIS database was significantly delayed and that they were only able to provide data for San Bernardino County that had already been digitized. Therefore, as part of the cultural resources study prepared for the Project, Dudek

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referenced a CHRIS records search that had been completed on May 10, 2021 for another project located in close proximity (approximately 765 feet) to the present proposed Project site. This records search included any previously recorded cultural resources and investigations within the records search area and includes digitized collections of mapped prehistoric and historic archaeological resources on file with CHRIS; Department of Parks and Recreation site records; technical reports; archival resources; and ethnographic references. Additional consulted sources included historical maps of the proposed Project site, the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR), the California Historic Property Data File, and the lists of California State Historical Landmarks, California Points of Historical Interest, and the Archaeological Determinations of Eligibility. Dudek reviewed the SCCIC records to determine whether the implementation of the proposed Project would have the potential to impact any known and unknown cultural resources. The records search results are also provided in Confidential Appendix B.

Previously Conducted Cultural Resource Studies

As a result of the SCCIC's COVID-19 records search protocols, only reports within 0.25-mile radius were mapped within the SCCIC-provided records. Therefore, mapped results of the cultural resources records search indicate that seven (7) previous cultural resource studies have been conducted within the records search area of the proposed Project site between 1984 and 2011. Of these studies, four studies addressed portion of the proposed Project site and two studies addressed adjacent properties. Table 1 details all previous cultural resources studies followed by a brief summary of the digitally available report that overlaps the proposed Project site.

Table 1. Previous Technical Studies Within the Records Search Area of the Proposed Project Site

SCCIC Report No. (SB-)	Authors	Date	Title	Addressed Proposed Project Site
01456	Schwartz, Steven J.	1984	Cultural Resources Survey: Norton Air Force Base Excess Lands	**Yes
02260	Carmichael, David	1991	Documentary Research and Field Reconnaissance Relating to Cultural Resources at Norton Air Force Base, California	**No, but adjacent
02836	Alexandrowicz, J. Stephen, Susan R. Alexandrowicz, and Kathryn C. Beattie	1993	R.H. Stidham's Cobblestone House: Historic Preservation in the City of Highland, County of San Bernardino, CA	No
06436	Tang, Bai "Tom"	2009	Historical/Archaeological Resources Reconnaissance: Fifth and Third Street Road Improvement, Cities of Highland and San Bernardino, San Bernardino County, California.	**Yes
07309	Tang, Bai "Tom' and Michael Hogan	2011	Historic Property Survey Report: Tiger 5th Street Improvement Project, Cities of Highland and San Bernardino, San Bernardino County, California.	**Yes

Table 1. Previous Technical Studies Within the Records Search Area of the Proposed Project Site

SCCIC Report No. (SB-)	Authors	Date	Title	Addressed Proposed Project Site
07463	Tang, Bai "Tom"	2009	Cultural Resources Records Search, San Bernardino International Airport, City of San Bernardino, California.	** No, but adjacent
07959	Hatheway, Rodger G.	1998	Determination of Eligibility for 50 Buildings in the City of San Bernardino	Yes
**Note: Due to SCCIC COVID-19 operation protocols, these reports are not digitized and therefore, not provided by the SCCIC nor summarized in this report.				

Report SB-07959

Determination of Eligibility Report for 50 Buildings in the City of San Bernardino (Hatheway 1998), documents the results of a National Register of Historic Places (NRHP) evaluation for 50 buildings in the City of San Bernardino. The study addressed built environment resources and encompassed the entirety of the current proposed Project site; the study does not address archaeological resources. The study's findings include the determination that none of the 50 buildings assessed qualified for individual listing in the NRHP nor was a potential district association identified.

Previously Recorded Cultural Resources

The SCCIC records indicate that 15 cultural resources have been previously recorded within 0.5-mile of the Project site, none of which overlap or are adjacent to the proposed Project site. All 15 resources are historic built environment resources and fall outside of the scope of the present study and therefore, will not be addressed in this report. No historic-period or prehistoric archaeological resources were identified within the records search area of the proposed Project site. A bibliography of all 15 resources is included in Appendix C of this report.

Review of Historical Topographic Maps and Aerial Photographs

Dudek consulted historical topographic maps and aerial photographs through the Nationwide Environmental Title Research, LLC (NETR) to better understand any natural or human-made changes to the proposed Project site and surrounding properties over time.

Historical Topographic Maps

Topographic maps depict elevation of the study area as well as the areas surrounding it and illustrate the location of roads and some buildings. Although topographic maps are not comprehensive, they are another tool in determining whether a study area has been disturbed and at times to what approximate depth. A review of available topographic maps was conducted and includes the following years: 1901, 1904, 1909, 1913, 1924, 1929, 1939, 1946, 1951, 1955, 1958, 1960, 1963, 1964, 1969, 1973, 1977, 1979, 1980, 1986, 1988, 1999, 2012, 2015,

and 2018 (NETR 2021a). Table 2, below, summarizes the results of the topographic maps review of the proposed Project site and surrounding properties for all available years.

Table 2. Historical Topographic Maps Review

Year	Description
1901	The proposed Project site is mostly undeveloped with the exception of one structure depicted within the southwest quadrant of the proposed Project site. Both present-day Victoria Avenue and 5th Street are symbolized as light-duty roads with a hard or improved surface. There is no roadway representing the route of present-day 3rd Street depicted. The Highlands Motor Line railroad track is located northwest and outside of the proposed Project site. The route of the Highlands Motor Line railroad track is shown to travel east-west along present-day East 5th Street then changing course and traveling north-south along present-day Victoria Avenue. There is an unnamed tributary (present-day City Creek) to the southeast and the Santa Ana River Wash to the southeast and south of the proposed Project site.
1904-1951	There are no significant changes in the proposed Project site.
1955	There has been significant development in the area both within and surrounding the proposed Project site. There are now six structures depicted within the proposed Project site: two appear to be within APN 1192-551-01 and four are along Third Street. Both Victoria Avenue and Third Street (as referred to in the map) are symbolized as a secondary highways with a hard surface and Fifth Street is symbolized as a light-duty road with a hard or improved surface. The wash is no longer depicted. The waterway within the former wash is now symbolized as an intermittent stream. Both features are just to the southeast and outside of the proposed Project site.
1958	This map depicts the same information as the 1951 topographic map
1960	The proposed Project site is now labeled "BM 1158". Of note, the use of “BM” on topographic maps represents a benchmark or a point of known position and elevation that is used as a reference point for surveys denoting a height above sea level.

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Table 2. Historical Topographic Maps Review

Year	Description
	There are no other observable significant changes to the proposed Project site.
1963 and 1964	There are no significant changes in the proposed Project site.
1969	The structures within APN 1192-551-01 are no longer depicted; however, there is a lateral bold line oriented east-west along the southern boundary of this parcel. There are now six structures depicted along Third Street and two structures within the central portion of the proposed Project site. Victoria Avenue is no longer depicted as a secondary highway with a hard surface; it is depicted as a light-duty road with a hard or improved surface on this map. The intermittent stream depicted in the 1955 map is now labeled City Creek.
1973	This topographic map depicts the same information as the 1964 map.
1979	There are no significant changes in the proposed Project site; however, to the west of the proposed Project site and Victoria Avenue is a development labeled on the map as "US Military Res".
1980-1999	There are no significant changes in the proposed Project site; however, the "US Military Res" area to the west of the proposed Project site is shown as subdivisions.
2012-2018	The maps for these years depicts no structures within the proposed Project site and although City Creek is still depicted, it is no longer labeled as such. The "US Military Res" area to the west of the proposed Project site is no longer labeled as such and shifts between depictions as subdivisions (2012 and 2015) and vacant land (2018).

While topographic maps are informative, they do not illustrate the minute changes that can occur to a landscape overtime and at times, are inconsistent with what is depicted year to year. Most often, structures depicted in topographical maps are limited to those with community or social significance (e.g. Firehouses, Hospitals, churches, community centers, etc.), including additions or changes to roads and/or waterways. Nonetheless, the information gathered contributes to the understanding of the chronological development of a study area.

Historical Aerial Photographs

A review of historical aerial photographs was conducted as part of the archival research effort from the following years: 1938, 1959, 1966, 1968, 1980, 1984, 1985, 1994, 2002, 2005, 2009, 2010, 2012, 2014, 2016, 2018, and 2020 (NETR 2021b). Through careful comparative review of historical aerials, changes to the landscape of a study area may be revealed. Disturbance to the study area is specifically important as it helps determine if soils within the study area are capable of sustaining intact archaeological deposits. Additionally, historical aerials have the potential to reveal whether a study area was subjected to alluvial deposits by way of flooding, debris flows or

mudslides, as well as placement of artificial or foreign fill soils that may have buried intact archaeological deposits. Table 3, below, summarizes the results of the aerial photograph review of the proposed Project site and surrounding properties for all available years.

Table 3. Historical Aerial Photographs Review

Photograph Year	Observations and Findings
1938	The proposed Project site is undeveloped. There are roads present consistent with the present-day layout of 3rd Street and Victoria Avenue. There are a few scattered trees along the western boundaries of parcels 1192-551-15 and 1192-551-02, as well as within the northeast corner of parcel 1192-551-15. City Creek is present to the east and does not appear to be channelized. Parcels 1192-551-07, 119-2551-06, 119-2551-05 and the southeast corner of parcel 1192-551-15, appear to be within a wash area. There are three structures north and outside of the proposed Project site.
1959	There appear to be two structures within parcel 1192-551-01; however, the quality of the aerial photograph makes it difficult to discern the exact number of structures present. There is a structure located in the center of the border between parcels 1192-551-14 and 1192-551-15, near the trees that were visible in the 1938 aerial. There are also structures along 3rd Street within parcels 1192-551-07, 1192-551-06, 1192-551-05 and 1192-551-04. Parcels 1192-551-12 and 1192-551-13 show evidence of surface disturbance, possibly vegetation growth, and informal paths. There are two trees along the northern boundary of parcel 1192-551-02. There is a road visible along the alignment of present-day 5th Street. The tree line along the western boundary of the proposed Project site is no longer present. City Creek is now channelized, south of 3rd Street.
1966	Parcels 1192-551-12 and 1192-551-13 no longer shows evidence of surface disturbance. Trees now surround the structures within parcels 1192-551-06,1192-551-05, and the southwest corner of parcel 1192-551-07. City Creek is now channelized, north of 3rd Street.
1968	The northern section of parcel 1192-551-06 has been cleared of small vegetation. There is a path going along the eastern and southern boundaries of parcel 1192-551-01.
1980	Additional structures have been built within parcel 1192-551-07 and there are many vehicles parked within that parcel.

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Table 3. Historical Aerial Photographs Review

Photograph Year	Observations and Findings
	There is an informal path that is visible along the southern boundary of parcel 1192-551-01.
1984 & 1985	Due to the quality of the aerial photographs, there are no significant/discernable changes to the proposed Project site.
1994	The structures within parcel 1192-551-01 are no longer present. Some trees within parcel 1192-551-05 appear to have been removed. There are now only trees remaining within parcels 1192-551-02, 1192-551-06, 1192-551-06, and 1192-551-15. Ground disturbance is visible within the central and northern portion of parcel 1192-551-07.
2002	Due to the quality of the aerial photographs, there are no significant/discernable changes to the proposed Project site.
2005-2012	There are no significant/discernable changes to the proposed Project site.
2014	There are two small, possibly temporary structures within parcel 1192-551-01. The surface area of parcels 1192-551-12, 1192-551-13, 1192-551-14, and 1192-551-15 appears to have been disked.
2016	The structure within parcel 1192-551-15 is no longer present.
2018	Parcel 1192-551-06 is developed and appears to be consistent with present-day site conditions. The structures within parcel 1192-551-01 are no longer present.
2020	The proposed Project site appears consistent with present site conditions.

Geotechnical Report Review

The geotechnical report, *Geotechnical Engineering Investigation – Proposed Industrial Warehouse Development Southeast Corner of Victoria Avenue and 5th Street, Highland, California* (NorCal Engineering 2022), was prepared for Patriot Partners in June 2022 to determine the subsurface geological conditions of an approximately 7.23-acre property located in the City of Highland, San Bernardino County, California and represents the footprint of the present proposed Project site. The report details the results of 12 subsurface exploratory investigations consisting of eight (8) backhoe trenching explorations (T-1 through T-8) and four (4) exploratory borings (B-1 through B-4) using a hand auger. These subsurface exploratory investigations were placed at accessible locations throughout the proposed Project site, as depicted in Image 1, below.



Image 1. Subsurface Exploratory Investigation Locations (NorCal Engineering 2022, Figure 1).

Subsurface exploratory borings extended to a maximum depth ranging from 10 to 18.5 feet below ground surface (bgs) and were completed on May 19, 2022. According to the geotechnical report, the materials/soils encountered include: 1) Pulverized Asphalt from surface to between 2 and 6 inches at three locations (B-2 through B-4); 2) Fills soils: characterized as brown, fine to medium grained, silty sand with some gravel and rootlets, encountered from surface to between 2 inches and 3 feet bgs; however, the report does not indicate whether the fill soil is natural or engineered fill; 2) Native soils: characterized as natural undisturbed soils that is brown, fine to coarse grained slightly silty sand with occasional cobbles, were identified underlying fill soils to the maximum depths explored. A summary of the subsurface investigative results is provided in Table 4.

Table 4. Summary of Subsurface Investigations – NorCal Engineering 2022

Boring	Asphalt	Fill Soils	Native Soils	Terminated Depth
T-1	-	0-1.5 feet bgs	1.5-10 feet bgs	10 feet bgs
T-2	-	0-1.5 feet bgs	1.5-12 feet bgs	12 feet bgs
T-3	-	0-1 feet bgs	1-10 feet bgs	10 feet bgs
T-4	-	0-1 feet bgs	1-12 feet bgs	12 feet bgs
T-5	-	0-1 feet bgs	1-10 feet bgs	10 feet bgs
T-6	-	0-1.5 feet bgs	1.5-18.5 feet bgs	18.5 feet bgs
T-7	-	0-3 feet bgs	3-10 feet bgs	10 feet bgs
T-8	-	0-2 feet bgs	2-10 feet bgs	10 feet bgs
B-1	-	0-1 feet bgs	1-10 feet bgs	10 feet bgs
B-2	0-2 inches bgs	2 inches to 1 foot bgs	1-10 feet bgs	10 feet bgs
B-3	0-2 inches bgs	2 inches to 1 foot bgs	1-10 feet bgs	10 feet bgs
B-4	0-6 inches bgs	6 inches to 1.5 feet bgs	1.5-10 feet bgs	10 feet bgs

Native American Coordination

NAHC Sacred Lands File Search

The SLF record is maintained at a PLSS Section level meaning the negative or positive result is respective of a general area covering approximately one-square mile (640 acres) rather than the exact study area. Therefore, as part of the process of identifying cultural resources within or near the proposed Project, Dudek referenced the results of an SLF search that was previously completed for another project within close proximity (approximately 765 feet) to the northwest of the present proposed Project site (completed April 14, 2021). The SLF search was conducted by Cultural Resources Analyst Andrew Green to determine the presence of any reported Native American cultural resources within proximity of the proposed Project site as listed in the NAHC maintained SLF. The NAHC SLF records search results were positive. However, as previously stated, the SLF record is maintained at a PLSS Section level, which indicates a recorded sacred site could be anywhere within this one square mile (640 acre) area. The NAHC identified twelve (12) Native American individuals who would potentially have specific knowledge as to whether or not Native American cultural resources are identified within the study area that could be at-risk. In compliance with Assembly Bill 52, the City has contacted all NAHC-listed traditionally geographically affiliated tribal representatives that have requested project notification; these efforts are summarized in the Initial Study/Mitigated Negative Declaration document for the proposed Project. Documentation of the NAHC SLF search results is provided in Appendix D.

Note: Sacred Land Files maintained by the NAHC represent a curation of "ancient places of special religious or social significance to Native Americans and known ancient graves and cemeteries of Native Americans on private and public lands in California" (nahc.gov 2021) provided by Tribal entities and Native American representatives. For various reasons, Tribal entities and Native American representatives do no not always report sacred lands or TCRs to the NAHC; as such, the NAHC's SLF is not necessarily a comprehensive list of known TCRs and searches of the SLF must be considered in concert with other research and not used as a sole source of information regarding the presence of TCRs. Additionally, results of the SLF provided relate to the general regional area within and

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surrounding the study area and do not necessarily equate to the existence of resources within the specific area occupied by the current proposed Project site.

Assembly Bill 52

The proposed Project is subject to compliance with AB 52 (PRC 21074), which requires consideration of impacts to TCRs as part of the CEQA process, and that the lead agency notify California Native American Tribal representatives that have requested notification who are traditionally or culturally affiliated with the geographic area of the proposed Project site. All records of correspondence related to AB 52 notification and any subsequent consultation are on file with the City. A summary of the consultation record is provided and addressed in the Initial Study/Mitigated Negative Declaration document for the proposed Project.

1938 Kirkman-Harriman Historical Map Review

Dudek cultural resources specialists reviewed sources commonly identified though Tribal consultation, notably the 1938 Kirkman-Harriman Historical Map (Image 2). Based on this map, the proposed Project site is approximately 1.4 miles directly east of the northwest–southeast-trending "Old Salt Road" and approximately 1.12 miles north of a tributary that links with the Santa Ana River to the southwest. The nearest mapped Native American village is nearly 2 miles southeast of the proposed Project site and is unnamed. It should be noted that this map is highly generalized due to scale and age and may be somewhat inaccurate with regards to distance and location of mapped features. Additionally, this map was prepared based on review of historic documents and notes more than 100 years following secularization of the missions (in 1833). Although the map contains no specific primary references, it matches with the details documented by the Portolá expedition (circa 1769–1770). The map is a valuable representation of post-colonization mission history; however, it is limited to a specific period of Native American history and substantiation of the specific location and uses of the represented individual features should be verified by archaeological records and/or other primary documentation. Although the SLF results for the proposed Project were positive, the NAHC did not provide any specificity as to the location of the resources identified nor was any information pertaining to the type of resource provided. Moreover, the results of the SLF provided by the NAHC indicate the presence of resources in the general regional area within and surrounding the proposed Project site and not necessarily within the proposed Project site. No archaeological evidence of the nearest village on the 1938 Kirkman-Harriman map was provided in the SCCIC records or as the result of a review of other archaeological information for the proposed Project site. This suggests that the village is either likely no nearer than 0.5-miles from the proposed Project site or if existent within the records search radius, subsurface deposits associated with the village have not yet been discovered.

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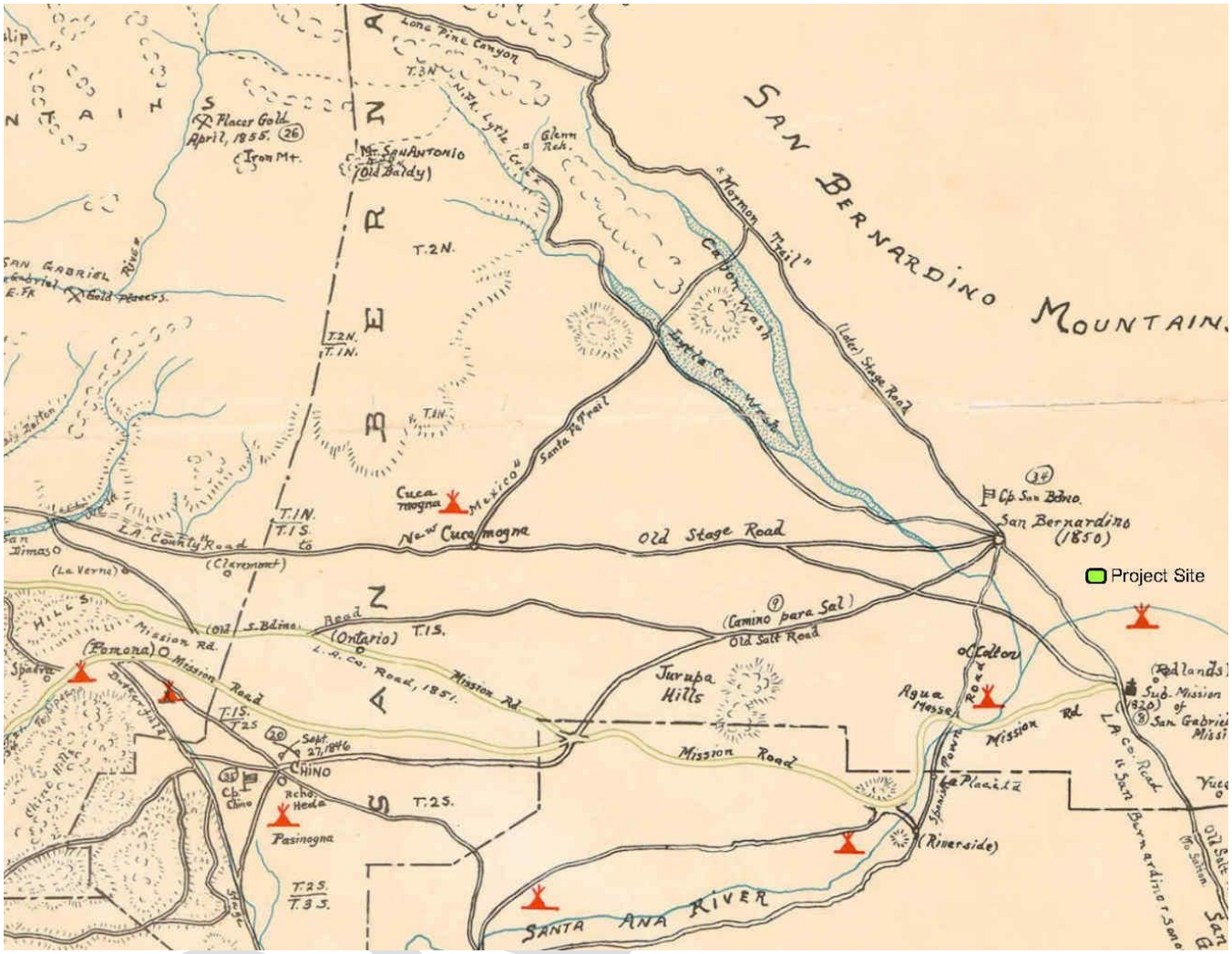


Image 2. 1938 Kirkman-Harriman Historical Map (Proposed Project Site Symbolized in Green)

Field Survey

Methods

An intensive-level archaeological survey of the proposed Project site was conducted September 22, 2022 by Dudek archaeologists, Linda Kry and Lanette Renz. The intensive-level pedestrian survey was conducted was conducted employing parallel transects, spaced no more than 15 meters apart (approximately 50 feet), over the entire proposed Project site, where feasible and safe to do so. In areas of limited ground surface visibility due to the presence of pulverized asphalt, stockpiled demolition debris and soils, structural and wood debris, areas surrounding extant buildings or structures, and staged miscellaneous items, including a trailer, formal transects were not utilized. Instead, a mixed approach (opportunistic survey) and reconnaissance survey (visual inspection) were utilized, selectively examining areas of exposed ground surfaces, where possible.

The survey of the approximately 7.23-acre proposed Project site included all eleven (11) parcels. The ground surface was inspected for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, groundstone tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of structures and/or buildings (e.g., standing exterior walls, post holes, foundations), and historical artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as burrows, graded areas and bases of trees and bushes were also visually inspected for exposed subsurface materials. No artifacts were collected during the survey.

All fieldwork was documented using field notes and an Apple Generation 6 iPad (iPad) equipped with ESRI Collector and Avenza PDF Maps software with close-scale georeferenced field maps of the proposed Project site, and aerial photographs. Location-specific photographs were taken using the iPad's 8-mega-pixel resolution camera. All field notes, photographs, and records related to the current study are on file at Dudek's Pasadena, California office. All field practices met the Secretary of Interior's standards and guidelines for a cultural resources inventory.

Results

Survey results for the 11 parcels that make up the proposed Project site are discussed individually below (see Appendix A: Figure 2). Note: the geotechnical study revealed that the proposed Project site is predominately covered in pulverized asphalt or fill soils although the origin of the fill soils was not mentioned. As such, any exposed soils observed during the survey were likely fill soils and not a good representation of the native soils present prior to development/ground disturbing activities.

APN 1192-551-01 (Parcel 1)

This parcel is a vacant lot and observations of present site conditions include evidence of disking for weed abatement and grading activities. Vegetation within this parcel consists of grasses and weeds. Over 50 percent of the parcel is comprised of multiple stockpiles of demolition and vegetation debris and modern refuse scatter obstructing ground surface visibility. The remainder of the parcel is graded. Given the current parcel conditions, ground surface visibility within the parcel ranged from non-existent to poor in areas of obstructed ground surface visibility (0 to less than 5 percent) and very good to excellent (90 to 100 percent) in graded areas with sparse vegetation.

APN 1192-551-02 (Parcel 11)

This parcel is vacant land and observations of present site conditions include evidence of grading activities with some modern refuse on the surface. Vegetation within this parcel consists of sparse grasses and weeds. Given the current parcel conditions, ground surface visibility was excellent (100 percent).

APN 1192-551-03 (Parcel 10)

This small parcel is vacant land with the presence of grasses and weeds with some modern refuse on the surface. Given the current parcel conditions, ground surface visibility was excellent (100 percent).

APN 1192-551-04 (Parcel 9)

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Approximately 70 percent of the parcel is occupied by an extant building and structural remnants, including a concrete foundation and miscellaneous modern refuse. The remaining 30 percent of the parcel consists of soils surrounding the extant building and/or structural remnants. Vegetation within this parcels consists of moderately dense grasses and weeds. Given the current parcel conditions, ground surface visibility within the parcel ranged from non-existent to poor in areas of obstructed ground surface visibility (0 to less than 5 percent) and poor to fair (20 to 30 percent) in the areas surrounding the extant residential buildings/structures.

APN 1192-551-05 (Parcel 8)

The majority of this parcel, approximately 98 percent of the parcel is occupied by an extant residential building, structural remnants such as concrete foundations and miscellaneous modern refuse and in areas without any existing development is covered with gravel. Areas of exposed ground soils were limited to pockets to the east and north of the parcel. Given the current parcel conditions, ground surface visibility within the parcel ranged from non-existent to very poor (0 to less than 3 percent).

APN 1192-551-06 (Parcel 6)

Approximately 90 percent of the parcel is occupied by extant buildings/structures and structural remnants, including concrete foundations miscellaneous modern refuse. The remaining 10 percent of the parcel consists of soils surrounding the extant buildings/structures. Given the current parcel conditions, ground surface visibility within the parcel ranged from non-existent to poor in areas of obstructed ground surface visibility (0 to less than 5 percent) and fair to good (30 to 50 precent) in the areas surrounding the extant residential buildings/structures.

APN 1192-551-07 (Parcel 5)

Approximately 80 percent of the parcel is covered in pulverized asphalt and gravel or is occupied by extant residential buildings/structures, a staged trailer, and miscellaneous modern refuse. The remaining 20 percent of the parcel consists of soils surrounding the extant buildings/structures primarily located along 3rd Street. Given the current parcel conditions, ground surface visibility within the parcel ranged from non-existent to poor in areas of obstructed ground surface visibility (0 to less than 5 percent) and fair to good (30 to 50 precent) in the areas surrounding the extant residential buildings/structures.

APN 1192-551-12 (Parcel 2)

This parcel is vacant land and observations of present site conditions include evidence of disking for weed abatement and a scatter of modern refuse. Vegetation within this parcel consists of grasses and weeds. Given the parcel conditions, ground surface visibility was excellent (100 percent).

APN 1192-551-13 (Parcel 3)

This parcel is vacant land and observations of present site conditions include evidence of disking for weed abatement and a scatter of modern refuse. Vegetation within this parcel consists of grasses and weeds. Given the parcel conditions, ground surface visibility was excellent (100 percent).

APN 1192-551-14 (Parcel 4)

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This parcel is a vacant lot and observations of present site conditions include evidence of disking for weed abatement, grading, and stockpiling of soils/structural activities, including miscellaneous modern refuse. Vegetation within this parcel consists of grasses, weeds and a tree. Approximately 30 percent of the parcel is comprised of multiple stockpiles and scatters of demolition and vegetation debris obstructing ground surface visibility, which is limited to the western half of the parcel. The remainder of the parcel exhibits evidence of disking for weed abatement. Given the current parcel conditions, ground surface visibility within the parcel ranged from non-existent to poor in areas of obstructed ground surface visibility (0 to less than 5 percent) and very good to excellent (90 to 100 precent) in graded/disked areas with sparse vegetation.

APN 1192-551-15 (Parcel 7)

This parcel is vacant lot. Vegetation within this parcel consists of grasses, weeds and a tree. Observations of present site conditions include modern refuse scattered across the parcel and evidence of disking for weed abatement and grading activities, including stockpiling of soils/structural debris, which was limited to the western half portion of the parcel and accounts for approximately 30 percent of the parcel. Within the southeastern quadrant of the parcel is a rectangular-shaped cleared area surrounded by a berm of soils intermixed with vegetation and concrete slabs. Given the current parcel conditions, ground surface visibility was non-existent to poor in areas of obstructed ground surface visibility (0 to less than 5 percent) and very good to excellent (90-100 percent) in graded/disked/cleared areas with sparse vegetation, which encompasses approximately 70 percent of the parcel.

As previously mentioned in Geotechnical Report Review section, subsurface exploratory boring and trenching investigations identified fill soils from surface to between 2 inches and 3 feet bgs, depending on the location investigated, at all boring and trenching locations within the proposed Project site. The presence of the fill soil is an indication that any potential cultural material from surface to between 2 inches and 3 feet bgs, has been previously displaced from the primary depositional location, buried, or destroyed. Additionally, the presence of fill soils demonstrates that the native soils upon and within which cultural deposits would exist in context was not observed during the survey. No cultural materials were observed within any of the 11 parcels; however, due to the presence of fill soils, observation of intact native soils was not possible.

Sensitivity Analysis

Archaeological Sensitivity

While the NAHC SLF records search results were positive, the results relate to the general regional area and do not necessarily equate to the existence of resources within the specific area occupied by the proposed Project site. A search of the CHRIS database the records search did not identify any previously recorded historic-period or prehistoric archeological resources within or immediately adjacent to the proposed Project site. However, a search of the CHRIS database indicates that less than 10 percent of the proposed Project site has been subjected to previous archaeological investigations.

According to the aerial photographs review, the proposed Project site has been subjected to consistent ground disturbance, shifting from undeveloped land in 1938 with the unchanneled City Creek to the east, and a wash that overlapped the southeast corner of the proposed Project site and transforming steadily to include the development

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and removal of buildings/structures between the late 1950s to the early 2010s. By 2020, the proposed Project site conditions are consistent with those observed during the pedestrian survey conducted for this investigation.

The proposed Project site has been routinely subjected to disking for weed abatement. A review of a geotechnical report prepared for the proposed Project site determined that fills soils were identified from surface to between 2 inches and 3 feet bgs within all exploratory boring and trenching locations. No cultural materials were observed within the proposed Project site as a result of the pedestrian survey; however, due to the presence of fill soils, observation of intact native soils was not possible.

Current Project design indicates that the minimum depth of ground disturbance for the proposed Project site is between 3 to 4 feet below the existing ground surface with a maximum depth of 16 feet below the existing ground surface for the installation of the infiltration basin within the western portion of the proposed Project site.

In consideration of all these factors, the potential to encounter intact cultural deposits containing archaeological and tribal cultural resources within soils from the current grade and between 2 inches and 3 feet bgs is unlikely. However, the potential for intact cultural deposits to exist within native soils (below between 2 inches and 3 feet bgs) to the depths of proposed ground disturbance is unknown. Given that City Creek and a wash were historically in close proximity to and/or overlapped the proposed Project site, there is a potential for yet unidentified archaeological resource deposits within the proposed Project site to be buried by alluvial and flood deposits. In the event that unanticipated archaeological resources are encountered during Project implementation, impacts to these resources could be significant. As such, the following management recommendations are provided to ensure that impacts to unanticipated archaeological resources and human remains would be treated properly resulting in a less than significant impact.

Management Recommendations

Although the proposed Project site has been disturbed over time as a result of development, it is possible that unknown intact archaeological resources could be encountered during ground disturbing activities within native soils. The following measures have been developed to ensure that any inadvertent discovery of archaeological resources will be treated appropriately and in accordance with CEQA regulations: preconstruction training, retention of an on-call qualified archaeologist, meeting Secretary of Interior professional standards, to manage monitoring and supplemental survey activities, address inadvertent discoveries, and inadvertent discovery clause implemented and included on all construction plans.

Retention of a Qualified Archaeologist. A qualified archaeologist should be retained and on-call to respond and address any inadvertent discoveries identified for the duration of construction activities. Additionally, in consideration of the potential to encounter intact cultural deposits beneath fill soils, the qualified archaeologist should monitor ground disturbing activities between 12-18 inches below current grade and should survey the proposed Project site once fill soils have been removed to ensure no cultural deposits underly the fill layer. A qualified archaeological principal investigator, meeting the Secretary of the Interior's Professional Qualification Standards, should oversee and adjust monitoring efforts as needed (increase, decrease, or discontinue monitoring frequency) based on the observed potential for construction activities to encounter cultural deposits or material. The archaeological monitor will be responsible for maintaining daily monitoring logs. Dudek further recommends monitoring be conducted during ground disturbing activities from 2 inches and 3 feet below current grade and an additional survey be conducted once fill soils have been removed. If

cultural materials are observed during the course of ground disturbing activities below fill soils, then subsurface testing may be required. These measures will ensure the potential Project impacts to archaeological resources and human remains would be less than significant. Within 60 days following completion of ground disturbance, an archaeological monitoring report should be prepared and submitted to the City for review. This report should document compliance with approved mitigation, document the monitoring efforts, and include an appendix with daily monitoring logs. The final report should be submitted to the SCCIC.

Workers Environmental Awareness Program. All construction personnel and monitors who are not trained archaeologists should be briefed regarding inadvertent discoveries prior to the start of construction activities. A basic presentation and handout or pamphlet should be prepared in order to ensure proper identification and treatment of inadvertent discoveries. The purpose of the Workers Environmental Awareness Program (WEAP) training is to provide specific details on the kinds of archaeological materials that may be identified during construction of the Project and explain the importance of and legal basis for the protection of significant archaeological resources. Each worker should also learn the proper procedures to follow in the event that cultural resources or human remains are uncovered during ground-disturbing activities. These procedures include work curtailment or redirection, and the immediate contact of the site supervisor and archaeological monitor.

Inadvertent Discovery of Archaeological Resources. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed Project, all construction work occurring within 100 feet of the find should immediately stop and a qualified archaeologist is notified immediately to assess the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find, the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work such as preparation of an archaeological treatment plan, testing, data recovery, or monitoring may be warranted.

Inadvertent Discovery of Human Remains. In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the county coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the county coroner has determined the appropriate treatment and disposition of the human remains. If the county coroner determines that the remains are, or are believed to be, Native American, he or she shall follow all required protocols according to California Public Resources Code, Section 5097.98.

DRAFT

Should you have any questions relating to this report and its findings, please do not hesitate to contact Linda Kry at lkry@dudek.com or Heather McDaniel McDevitt at hmcdevitt@dudek.com.

Sincerely,

Linda Kry, B.A., RA
Archaeologist

Heather McDaniel McDevitt, M.A., RPA
Archaeologist

Att: *Appendix A: Figures*
Appendix B. (Confidential) SCCIC Records Search Information
Appendix *C. Previously Recorded Cultural Resources Bibliography*
Appendix D. NAHC SLF Search Results

cc: *Alexandra Martini, Dudek*

DRAFT

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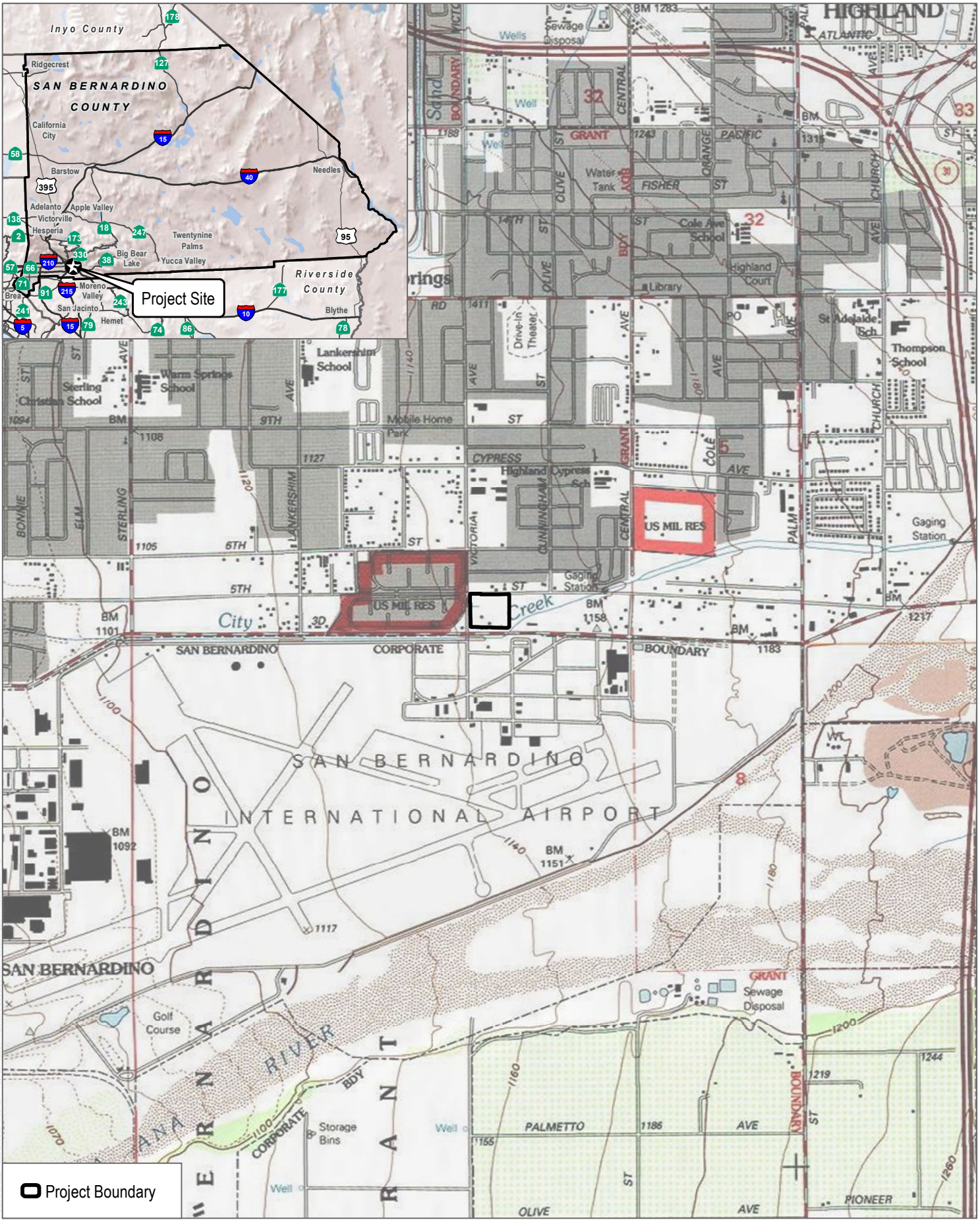
USGS Historical Topographic Map Explorer. 2019. https://livingatlas.arcgis.com/topoexplorer/index.html

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Appendix A

Figures

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SOURCE: USGS 7.5-Minute Series Redlands Quadrangle
Township 1S; Range 3W; Section 5

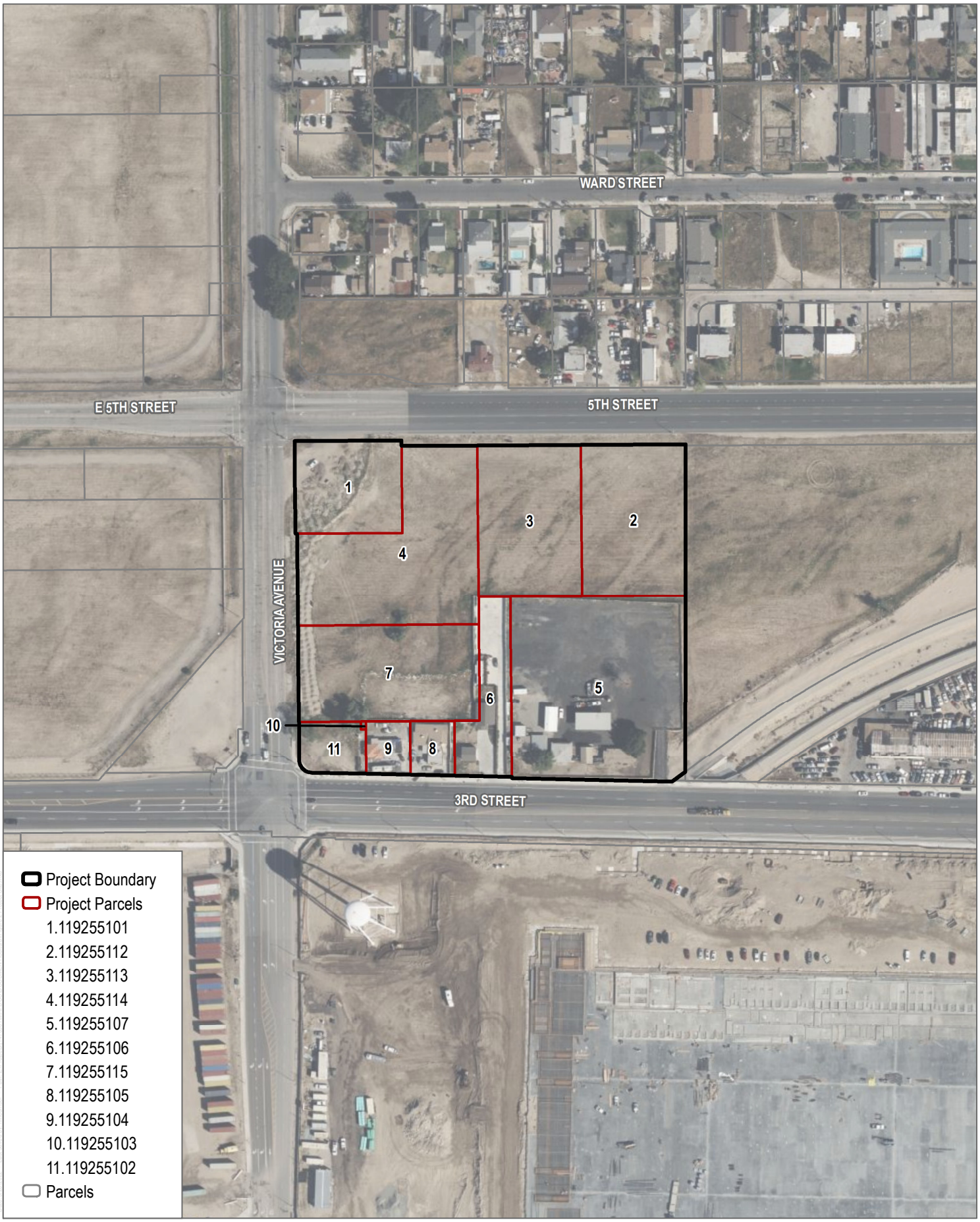
DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

5th Street and Victoria Avenue Warehouse Project



SOURCE: Bing Maps

DUDEK

0 100 200 Feet

FIGURE 2

Project Site

5th Street and Victoria Avenue Warehouse Project

Appendix B (Confidential)

SCCIC Records Search Results

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Appendix C

Previously Recorded Cultural Resources Bibliography

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All resources are verifed by SCCIC staff

Resources with red strikeout are not within the Project's records search area.

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-36-007701	CA-SBR-007701H	Other - ACS-93-7-1; Resource Name - Stidham House	Building, Site	Historic	AH04; AH05; AH11; AH15; AH16	1993 (Parker et al); 1993 (Alexandrowicz, Archaeological Consulting Services)	SB-02836
~~P-36-008262~~	~~CA-SBR-008262H~~	~~Resource Name - Schultz Residence~~	~~Building~~	~~Historic~~	~~AH15; HP02~~	~~1996 (URBAS, A.)~~	
P-36-019642		Resource Name - 26598 Ward St, Highland; OHP Property Number - 124704	Building	Historic	HP39	2000	
~~P-36-025797~~		~~Resource Name - CRM TECH 2519-10~~	~~Building~~	~~Historic~~	~~HP02~~	~~2011 (Ballester, CRM TECH)~~	
~~P-36-025798~~		~~Resource Name - CRM TECH 2519-11~~	~~Building~~	~~Historic~~	~~HP02; HP04~~	~~2011 (Ballester, CRM TECH)~~	
~~P-36-025799~~		~~Resource Name - CRM TECH 2519-12~~	~~Building~~	~~Historic~~	~~HP02; HP04; HP46~~	~~2011 (Ballester, CRM TECH)~~	
P-36-025800		Resource Name - CRM TECH 2519-13	Building	Historic	HP02; HP46	2011 (Ballester, CRM TECH)	
P-36-025801		Resource Name - CRM TECH 2519-14	Building	Historic	HP02; HP04; HP46	2011 (Ballester, CRM TECH)	
P-36-025802		Resource Name - CRM TECH 2519-15	Building	Historic	HP02; HP46	2011 (Ballester, CRM TECH)	
P-36-025803		Resource Name - CRM TECH 2519-16	Building	Historic	HP03; HP46	2011 (Ballester, CRM TECH)	
P-36-025804		Resource Name - CRM TECH 2519-17	Building	Historic	HP06	2011 (Ballester, CRM TECH)	
P-36-025805		Resource Name - CRM TECH 2519-18	Building	Historic	HP02; HP46	2011 (Ballester, CRM TECH)	
P-36-025806		Resource Name - CRM TECH 2519-19	Building	Historic	HP02; HP04; HP46	2011 (Ballester, CRM TECH)	
P-36-025807		Resource Name - CRM TECH 2519-20	Building	Historic	HP02; HP46	2011 (Ballester, D., CRM TECH)	
~~P-36-026642~~		~~Resource Name - CRM TECH 2691-2;~~ ~~Other - Wilson's Towing~~	~~Building~~	~~Historic~~	~~HP06~~	~~2013 (Ballester, D., CRM TECH)~~	
~~P-36-026643~~		~~Resource Name - CRM TECH 2691-3~~	~~Building~~	~~Historic~~	~~HP02; HP46~~	~~2013 (Ballester, D., CRM TECH)~~	
P-36-026644		Resource Name - CRM TECH 2691-4	Building	Historic	HP02	2013 (Ballester, D., CRM TECH)	

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-36-026645		Resource Name - CRM TECH 2691-5	Building	Historic	HP02	2013 (Ballester, D., CRM TECH)	
P-36-026646		Resource Name - CRM TECH 2691-6; Other - Mauro's Auto Body and Repairs	Building	Historic	HP06	2013 (Ballester, D., CRM TECH)	
~~P-36-026659~~		~~Resource Name - CRM TECH 2691-19~~	~~Building~~	~~Historic~~	~~HP02; HP46~~	~~2013 (Ballester, D., CRM TECH)~~	
P-36-026686		Resource Name - CRM TECH 2691-46	Building	Historic	HP04; HP46	2013 (Jacquemain, T., CRM TECH)	
~~P-36-033077~~	~~CA-SBR-033077H~~	~~Other - CRM TECH 3336-1H;~~ ~~Resource Name - Segment of Taxiway B, San Bernardino Airport~~	~~Site~~	~~Historic~~	~~AH02~~	~~2018 (Daniel Ballester, CRM TECH)~~	
P-36-033079		Resource Name - City Creek Channel Segment; Other - CRM TECH 3336-3H	Structure	Historic	HP20	2018 (Daniel Ballester, CRM TECH)	

Appendix D

NAHC SLF Search Results

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NATIVE AMERICAN HERITAGE COMMISSION

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Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Merri Lopez-Keifer
Luiseño

PARLIAMENTARIAN
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Karuk

COMMISSIONER
William Mungary
Paiute/White Mountain Apache

COMMISSIONER
Julie Tumamait-Stenslie
Chumash

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April 14, 2021

Jennifer De Alba
Dudek

Via Email to: jdealba@dudek.com

Re: 13228 6th & Victoria Ave Warehouse Project, San Bernardino County

Dear Ms. De Alba:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were positive. Please contact the San Manuel Band of Mission Indians on the attached list for more information. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Appendix D
Built Environment Survey

DRAFT

Historical Resources Technical Report

5th Street and Victoria Avenue Warehouse Project, City of Highland, California

DECEMBER 2022

Prepared for:

PATRIOT DEVELOPMENT PARTNERS
12126 West Sunset Boulevard
Los Angeles, California 90094
Contact: Kevin Rice

Prepared by:

DUDEK
38 North Marengo Avenue
Pasadena, California 91101
Caitlin Greeley, MA; Nicole Frank, MSHP; and Allison Lyons, MSHP

Printed on 30% post-consumer recycled material.

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
APN	Assessor's Parcel Number
BERD	Built Environment Resource Directory
CEQA	California Environmental Quality Act
CRHR	California Register of Historical Resources
NRHP	National Register of Historic Places
OHP	Office of Historic Preservation
SR	State Route

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Executive Summary

The purpose of this report is to determine whether the 5th Street and Victoria Avenue Warehouse Project (proposed Project) in the City of Highland, San Bernardino County, California would impact any historical resources pursuant to the California Environmental Quality Act (CEQA). The proposed Project would involve construction of a single 176,000 square-foot industrial/warehouse building (inclusive of 12,000 square feet of office/mezzanine) and would require the demolition of three existing historic-age residential buildings on an approximately 7.23-acre site (Project site).

Patriot Development Partners retained Dudek to complete this Historical Resources Technical Report (report) to identify all historical resources (if any) on the Project site to determine if the proposed Project would result in a significant impact to historical resources under CEQA. None of the buildings on the Project site are currently listed under any national, state, or local landmark or historic district programs. Three of the ten parcels on the Project site contain buildings that are more than 45 years of age and therefore require evaluation as potential historical resources.

This report includes the results of an intensive survey of the Project site by two qualified architectural historians; building development and archival research; development of an appropriate historic context for the evaluation of the Project site; and recordation and evaluation of three single-family residential properties over 45 years old for historical significance and integrity in consideration of National Register of Historic Places, California Register of Historical Resources, and City of Highland designation criteria and integrity requirements. This report was prepared in conformance with CEQA Guidelines Section 15064.5 for historical resources and all applicable local guidelines and regulations.

Dudek recorded and evaluated three residential properties over 45 years old located within the Project site:

- Parcel 1, 26530 3rd Street (Assessor's Parcel Number [APN] 1192-551-04)
- Parcel 2, 26540 3rd Street (APN 1192-551-05)
- Parcel 3, 26562 3rd Street (APN 1192-551-07)

The remaining seven properties within the Project site, Parcel 4, 26552 3rd Street (APN 1192-551-06); Parcel 5 (APN 1192-551-12); Parcel 6 (APN 1192-551-13); Parcel 7 (APN 1192-551-14); Parcel 8 (APN 1192-551-15); Parcel 9 (APN 1192-551-02); and Parcel 10 (APN 1192-551-01), were researched using historic aerial photography and they were determined to be vacant or to contain no built environment resources over 45 years old.

As a result of Dudek's extensive archival research, field survey, and property evaluations of significance, no historical resources were identified within the Project site. Nor were any adjacent resources identified that could be indirectly impacted by proposed Project activities. The finding under CEQA is No Impact. As the proposed Project would have no impact on historical resources, no further study is required.

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1 Introduction

Dudek was retained by Patriot Development Partners to complete a historical resources evaluation report for the 5th Street and Victoria Avenue Warehouse Project (the proposed Project) in the City of Highland, California (the City). This Historical Resources Technical Report (report) includes the results of an intensive survey of the Project site by a qualified architectural historian; building development and archival research; development of an appropriate historic context for the Project site; and recordation and evaluation of three single-family residential properties over 45 years old for historical significance and integrity in consideration of National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and City of Highland designation criteria and integrity requirements. This report was prepared in conformance with California Environmental Quality Act (CEQA) Guidelines Section 15064.5 for historical resources.

1.1 Project Description and Location

Project Description

The proposed Project would involve construction of a single 176,066-square-foot industrial/warehouse building (inclusive of 12,000 square feet of office/mezzanine) and would require the demolition of three existing historic age residential buildings on an approximately 7.23-acre site (Project site).

Project Location

The Project site is located within the southern portion of the City of Highland, San Bernardino County, California (Figure 1, Project Location) and is bounded by West 5th Street to the north, Victoria Avenue to the west, East 3rd Street to the south, and vacant lots and an automotive repair shop to the east. The approximately 7.23-acre (gross area) Project site is located on the northeast corner of East 3rd Street and Victoria Avenue. The Project site consists of three parcels developed with residential buildings (Parcels 1–3) (subject properties), one parcel developed with a non-historic-age residential building (Parcel 4), and six vacant parcels (Parcels 5–10), as shown in Table 1 and on Figure 2, Project Site.

Table 1. Parcels Located on the Proposed Project Site

Parcel	Address	APN	Date of Construction	Historic Age Building
1	26530 3rd Street	1192-551-04	Circa 1948	Yes
2	26540 3rd Street	1192-551-05	Circa 1948	Yes
3	26562 3rd Street	1192-551-07	Circa 1940	Yes
4	26552 3rd Street	1192-551-06	2017	No
5	Vacant	1192-551-12	N/A	No
6	Vacant	1192-551-13	N/A	No
7	Vacant	1192-551-14	N/A	No
8	Vacant	1192-551-15	N/A	No

Table 1. Parcels Located on the Proposed Project Site

Parcel	Address	APN	Date of Construction	Historic Age Building
9	Vacant	1192-551-02	N/A	No
10	Vacant	1192-551-01	N/A	No

Notes: APN = Assessor's Parcel Number; N/A = not applicable.

1.2 Project Personnel

This report, including all fieldwork, research, and the associated property significance evaluation were prepared by Dudek architectural historian Caitlin Greeley, MA, with assistance from Dudek architectural historian Kate Kaiser on fieldwork. This report was reviewed for quality assurance/quality control by Dudek architectural historian Nicole Frank, MSHP, and senior architectural historian Allison Lyons, MSHP. All personnel meet the Secretary of the Interior's Professional Qualifications Standards (36 CFR Part 61) for Architectural History. Resumes for all key personnel are provided in Appendix A.

1.3 Regulatory Context

Federal Regulations

Although there is no federal nexus for this Project, resources were evaluated in consideration of NRHP designation criteria.

The NRHP is the United States' official list of districts, sites, buildings, structures, and objects worthy of preservation. Overseen by the National Park Service under the U.S. Department of the Interior, the NRHP was authorized under the National Historic Preservation Act, as amended. Its listings encompass all National Historic Landmarks and historic areas administered by the National Park Service.

NRHP guidelines for the evaluation of historic significance were developed to be flexible and to recognize the accomplishments of all who have made significant contributions to the nation's history and heritage. Its criteria are designed to guide state and local governments, federal agencies, and others in evaluating potential entries for the NRHP. For a property to be listed in or determined eligible for listing in the NRHP, it must be demonstrated to possess integrity and to meet at least one of the following criteria (NPS 1990, p. 2):

> The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:
>
> A. That are associated with events that have made a significant contribution to the broad patterns of our history; or
> B. That are associated with the lives of persons significant in our past; or

C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
D. That have yielded, or may be likely to yield, information important in prehistory or history.

Integrity is defined in NRHP guidance, How to Apply the National Register Criteria, as "the ability of a property to convey its significance. To be listed in the NRHP, a property must not only be shown to be significant under the NRHP criteria, but it also must have integrity" (NPS 1990, p. 44). Historic properties either retain integrity (convey their significance) or they do not. Within the concept of integrity, the NRHP criteria recognize seven aspects or qualities that define integrity. The seven aspects of integrity are locations, setting, design, materials, workmanship, feeling, and association. In order to retain historic integrity, "a property will always possess several, and usually most, of the aspects" (NPS 1990, p. 44).

NRHP guidance further asserts that properties be completed at least 50 years ago to be considered for eligibility. Properties completed fewer than 50 years before evaluation must be proven to be "exceptionally important" (criteria consideration G) to be considered for listing.

State Regulations

California Register of Historical Resources

In California, the term "historical resource" includes but is not limited to "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code Section 5020.1[j]). In 1992, the California legislature established the CRHR "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (California Public Resources Code Section 5024.1[a]). The criteria for listing resources in the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the NRHP, enumerated below. According to California Public Resources Code Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

In order to understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see 14 CCR 4852[d][2]).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally

designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

California Environmental Quality Act

As described further below, the following CEQA statutes and CEQA Guidelines are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

- California Public Resources Code Section 21083.2(g) defines "unique archaeological resource."
- California Public Resources Code Section 21084.1 and CEQA Guidelines Section 15064.5(a) define "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource." It also defines the circumstances when a project would materially impair the significance of an historical resource.
- California Public Resources Code Section 21074(a) defines "tribal cultural resources."
- California Public Resources Code Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- California Public Resources Code Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5[b]). If a site is either listed or eligible for listing in the CRHR, or if it is included in a local register of historic resources or identified as significant in a historical resources survey (meeting the requirements of California Public Resources Code Section 5024.1(q), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5[a]). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (California Public Resources Code Section 21084.1; CEQA Guidelines Section 15064.5[a]).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines Section 15064.5[b][1]; California Public Resources Code Section 5020.1[q]). In turn, CEQA Guidelines Section 15064.5(b)(2) states the significance of an historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources; or

2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register of Historical Resources as determined by a lead agency for purposes of CEQA.T

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require that reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (California Public Resources Code Sections 21083.2[a], 21083.2[b], and 21083.2[c]).

California Public Resources Code Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

Impacts to non-unique archaeological resources are generally not considered a significant environmental impact (California Public Resources Code Section 21083.2[a]; 14 CCR 15064.5[c][4]). However, if a non-unique archaeological resource qualifies as tribal cultural resource (California Public Resources Code Sections 21074[c], 21083.2[h]), further consideration of significant impacts is required. CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in California Public Resources Code Section 5097.98.

Local Regulations

City of Highland Historic and Cultural Preservation Ordinance (Chapter 16.32)

The City of Highland Cultural Resource Designation Criteria are listed under the Historic and Cultural Preservation Ordinance, adopted in 2021. This ordinance also defines the establishment and duties of a historic and cultural

preservation board consisting of five uncompensated voting members appointed by the city council. The city council and City of Highland has found and determined:

A. That the character and history of the city are reflected in its cultural, historical, and architectural heritage;

B. That these historical and cultural foundations should be preserved as living parts of community life and development to build an understanding of the city's past, so that future generations may have a genuine opportunity to appreciate, enjoy, and understand the rich heritage of the city;

C. That, in the face of ever-increasing pressures of modernization and urbanization, city landmarks, neighborhoods, and other areas of historical and cultural interest are threatened with demolition;

D. That pursuant to the provisions of the National Historic Preservation Act of 1966, as amended, the city of Highland joins with private concerns, the state of California, and the United States Congress to develop preservation programs and activities to give maximum encouragement to agencies and individuals undertaking preservation of the city's unique architectural, historical, aesthetic, and cultural heritage.

E. The purpose of this chapter is to promote the public health, safety, and general welfare and:

1. To safeguard the city's unique cultural heritage as embodied and reflected in the city's architectural history and patterns of cultural development;
2. To encourage and facilitate public knowledge, understanding, and appreciation of the city's historic past and unique sense of place;
3. To preserve diverse architectural styles, patterns of development, and design preferences reflecting phases of the city's history and to encourage complementary contemporary design and construction and inspire a more livable urban environment;
4. To enhance property values and to increase economic and financial benefits to the city and its inhabitants through the exploration of creative financial incentives for preservation;
5. To protect and enhance the city's attraction to tourists and visitors thereby stimulating business and industry;
6. To identify as early as possible and resolve conflicts between the preservation of cultural resources and alternative land uses;
7. To integrate the preservation of cultural resources into public and private land use management and development processes;
8. To stabilize neighborhoods through the preservation of cultural resources and establishment of historic districts and conservation zones;
9. To encourage public participation in identifying and preserving historical and architectural resources thereby increasing community pride in the city's cultural heritage;
10. To acknowledge the historic preservation plan "Old Town" as a tool for preservation of the unique character of the city's Highland Historic District. (Ord. 270 § 6, 2001; Ord. 171 § 8.10, 1994)

16.32.050 Cultural resource designation criteria.

For the purposes of this chapter, an improvement, natural feature, or site may be nominated as a cultural resource by the historic and cultural preservation board pursuant to HMC 16.32.060 if it meets the criteria for listing on the National Register of Historic Places or the following:

A. It exemplifies or reflects special elements of the city's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history;

B. It is identified with persons or events significant in local, state, or national history;

C. It embodies distinctive characteristics of a style, type, period, or method of construction, or is a valuable example of the use of indigenous materials or craftsmanship;

D. It is representative of the work of a notable builder, designer, or architect;

E. It contributes to the significance of an historic area, being a geographically definable area possessing a concentration of historic or scenic properties or thematically related grouping of properties which contribute to each other and are unified aesthetically by plan or physical development;

F. It has a unique location or singular physical characteristics or is a view or vista representing an established and familiar visual feature of a neighborhood, community, or the city of Highland;

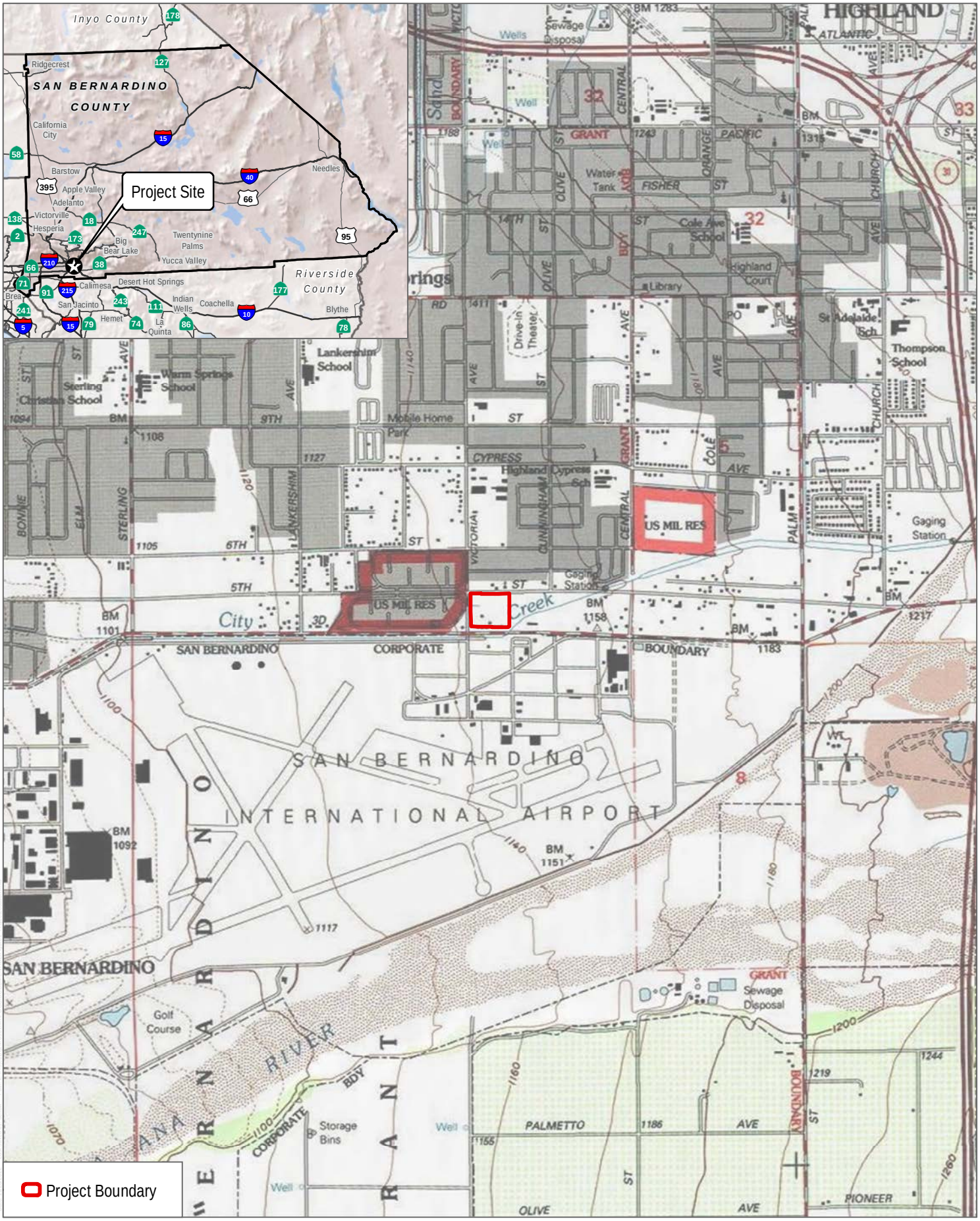
G. It embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation;

H. It is similar to other distinctive properties, sites, areas, or objects based on a historic, cultural, or architectural motif.

I. It reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning.

J. It is one of the few remaining examples in the city, region, state, or nation possessing distinguishing characteristics of an architectural or historical type of specimen. (Ord. 171 § 8.50, 1994)

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SOURCE: USGS 7.5-Minute Series Redlands Quadrangle
Township 1S; Range 3W; Section 5

0 250 500 Meters
0 1,000 2,000 Feet

DUDEK

FIGURE 1
Project Location
5th Street and Victoria Avenue Warehouse Project

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SOURCE: Bing Maps 2021, San Bernardino County 2021

DUDEK

0 75 150 Feet

FIGURE 2

Project Site

5th Street and Victoria Avenue Warehouse Project

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2 Background Research

To identify potential historical resources and assess potential Project impacts, Dudek performed the following tasks and reviewed the following sources.

2.1 Study Area

Dudek established a study area for the proposed Project. The study area corresponds to the Project site. The study area is limited to the 10 parcels comprising the Project site. Parcels beyond this study area were not included because the Project would have no potential to impact historical resources beyond those on the Project site directly, indirectly, or cumulatively. The buildings and streets immediately surrounding the Project site create a geographic and visual separation between the Project site and parcels beyond the Project site.

2.2 Records Search

Dudek referenced a CHRIS records search that had been completed on May 10, 2021, for a project adjacent to the present Project site (approximately 765 feet from the Project site). This records search included any previously recorded cultural resources and investigations within the records search area and includes their digitized collections of mapped prehistoric and historic archaeological resources, Department of Parks and Recreation site records, technical reports, archival resources, and ethnographic references. Additional consulted sources included historical maps of the proposed Project site, the NRHP, the CRHR, the California Historic Property Data File, and the lists of California State Historical Landmarks, California Points of Historical Interest, and Archaeological Determinations of Eligibility.

The South Central Coastal Information Center records indicate that 15 cultural resources have been previously recorded within 0.5 miles of the Project site, none of which overlap or are adjacent to the proposed Project site. All 15 resources are historic built environment resources and fall outside the scope of the present study and therefore, will not be addressed in this report. No historic-period or prehistoric archaeological resources were identified within the records search area of the proposed Project site. For additional information see Kry and McDevitt 2022.

2.3 Built Environment Resource Directory

The Built Environment Resource Directory (BERD) files provide information, organized by county, regarding non-archaeological resources in the Office of Historic Preservation (OHP) inventory. The OHP inventory contains information only for built environment resources that have been processed through the office. This includes resources reviewed for eligibility for the NRHP and the California Historical Landmarks programs through federal and state environmental compliance laws, and resources nominated under federal and state registration programs. The BERD replaces the former Historic Properties Directory that previously provided evaluation status information for resources processed through the OHP.

Dudek accessed the San Bernardino County BERD from the OHP on November 8, 2022. All properties within the Project site were searched in the online BERD. The results showed that none of the properties located within the study area are listed in BERD and therefore they have not been previously evaluated.

2.4 Building Development and Archival Research

Building development and archival research were conducted for the Project site in an effort to establish a thorough and accurate historic context for the evaluations of significance, and to confirm the building development history of the Project site and associated parcels.

San Bernardino County Assessor

Dudek obtained the PIMS (Property Information Management System) report for the Project site on November 16, 2022, which provided information about construction dates and current owners for the subject properties discussed in this report. Using this information, Dudek was able to research a chain of ownership for the properties extending back to 1994 for 26530 3rd Street (Parcel 1), 1991 for 26540 3rd Street (Parcel 2), and 1973 for 26562 3rd Street (Parcel 3).

ParcelQuest

On November 8, 2022, ParcelQuest was used to access San Bernardino County Assessor information about the parcels located on the Project site. Information regarding dates of construction and current owners' names, if noted, were used in the preparation of the evaluations of significance and historic context.

San Bernardino County Digital Library

Dudek borrowed several books and researched historical photographs available from the San Bernardino County Digital Library. All available information obtained from the library was used in the preparation of the historic context and evaluations of significance for the subject properties.

Historical Newspaper Review

Dudek reviewed historical newspapers from the City of Highland and surrounding cities in an effort to understand the development of the City of Highland, the Project site, and the subject properties at 26530 3rd Street (Assessor's Parcel Number [APN] 1192-551-04), 26540 3rd Street (APN 1192-551-05), and 26562 3rd Street (APN 1192-551-07). These documents were used in the preparation of Chapter 3, Historic Context, of this report.

Sanborn Fire Insurance Maps

A review of historical Sanborn Map Company fire insurance maps covering the City of Highland and City of San Bernardino was conducted as part of the archival research effort for the Project site from the following years: 1885, 1887, 1888, 1889, 1891, 1894, 1906, 1907, 1918, 1930, 1950, and 1951. The subject properties do not fall within the mapped area of the two cities or the within the city limits in any of the historic editions. Maps were reviewed for both the City of Highland and the City of San Bernardino to ensure that any potential map that includes the proposed Project site was reviewed.

Historical Aerial Photographs

As part of the archival research effort, a review was conducted of historical aerial photographs via Nationwide Environmental Title Research LLC from the years 1938, 1966, 1968, 1980, 1984, 1985, 1994, 2002, 2005, 2009, 2010, 2012, 2014, 2016, 2018, and 2020 and University of California, Santa Barbara Library Aerial Photography

Information FrameFinder from the years 1930, 1938, 1959, and 1977. Section 3.2, History of the Project Site, provides a discussion of the development of the area surrounding the Project site based on this review (NETR 2022; UCSB 2022).

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3 Historic Context

3.1 Historical Overview of the City of Highland

The City of Highland's settlement began in 1856 when John Henry Cram and six of his eight sons established a settlement known as Cramville, located in the northeast section of modern-day subdivision The Village Lakes at 5th Street and Orange Street. Cram and his family were the first known white settlers in the area. Cram and fellow settler Frederick Van Leuven constructed a ditch in 1858 to bring water from the Santa Ana River to their lands in East Highland. The ditch ran from City Creek into the present site of the City of Highland. In 1857, Henry Rabel, a German immigrant, purchased 40 acres along what is now Base Line Street, west of Victoria Avenue. Rabel purchased 80 additional acres in 1859, which became Rabel Springs, so named for the large pond and natural thermal wells located on the land. Rabel capitalized on the medicinal quality of the springs and constructed bathhouses and an 11-room hotel for tourists. The area became popular as a recreation spot and in 1887, Harlem Springs was developed east of Victoria Avenue. Harlem Springs included a swimming pool, bathhouses, an entertainment hall, and picnic grounds. This led to multiple civic improvements, including the area's first County road in 1860, Santa Ana Canyon Road (now West 5th Street) (Beattie 1994, 2004; San Bernardino Public Library 2022).

The area that became the City of Highland was developed as separate settlements. This included Messina in 1873 at Base Line Avenue and Palm Avenue. Messina's location was approximately the midpoint of the emerging towns and as a result, it became the commercial center. Buildings were constructed for private businesses, soon followed by a post office and grocery store. The first school district was formed in Cramville in 1869 and with its rising population, Messina formed a district named Highland soon after. This was the first formal use of the name Highland. Before this, the whole area was referred to as the Highlands because of the altitude and proximity to the foothills of the San Bernardino Mountains. In 1885, the Santa Fe Railroad (California Southern Railway) constructed a new line through the Cajon Pass, connecting San Bernardino to the rest of the state. Rail line expansion began soon after, with prominent people in Redlands raising $42,750 to purchase rights-of-way and depot grounds connecting San Bernardino to Redlands, which was soon expanded to Mentone. Local railroad officials thought a loop from Mentone back to San Bernardino would be most efficient by way of the present-day City of Highland. Although the community was not yet officially incorporated as a city, the name "Highland" was used for the train depot and became the preferred identifier for the community. In January 1892, the loop of the "Kite Shaped Track" was finished as a 158-mile-long figure 8 from the Santa Fe yards in Los Angeles east to Mentone and back. The line offered both freight and passenger services and opened San Bernardino County for more land development and settlement (Beattie 1994, 2004).

The presence of the railroad not only brought more people to the area but new industries and commercial opportunities as well. By the early 1880s, agricultural development was increasing with the planting of citrus orchards throughout Highland and San Bernardino County. Citrus was considered a high-value crop and required well-drained upland soils. This led to the construction of the North Fork Ditch in 1881, which diverged from the Cram–Van Leuven Ditch and ran west along the mountains. The dependable water supply stimulated agricultural development and production. Citrus groves were present in the area starting in 1857, but it was not until the Washington navel orange was introduced in 1873 that citrus farming became the leading industry. Between 1881 and 1892, over a thousand acres of citrus were planted in Highland. The railroad also brought the fruit packing and lumber industries to the area; meanwhile, the area remained dependent on the citrus industry (McAvoy 2000, p. 2).

At the turn of the twentieth century, Highland's growth had accelerated with the construction of a library, community hall, packing houses, a new business building on Palm Avenue, and many new residences. Highland and downtown San Bernardino were connected in 1903 with the establishment of the Bernardino Valley Traction Company's electric railway line. The local economy, still dependent on the citrus industry, fluctuated based on how well the industry did. In 1913, a freeze hit Southern California, killing many citrus trees and resulting in an economic depression that lasted several years (McAvoy 2000, p. 4).

The 1920s brought multiple changes to the town, including the construction of more packing houses and the Zimmerman Addition, which added the area north of the Santa Fe right-of-way to Highland's territory. A series of disasters hit the area in the 1930s, including multiple fires that destroyed packing houses and the Highland Orange Association building. By this time Highland's identity as a closely knit citrus community began to change due to outside influences. The popularity of the automobile led to fewer people using the railroads for passenger travel. In July 1936, Pacific Electric discontinued passenger service on the Highland branch line (McAvoy 2000, pp. 4–5).

The 1940s brought a period of change to the area, including suburbanization, with citrus groves replaced by housing tracts. As the United States entered World War II, the U.S. Army Air Corps established a training center just south of the present-day City in 1941. Following the attack on Pearl Harbor, the training center's role shifted and it became a fighter plane mobilization point to defend the City of Los Angeles in the event of an attack. In 1942, the training center was named San Bernardino Army Airfield. After the war, in 1950, it was renamed Norton Air Force Base (Beattie 1994, 2004; McAvoy 2000, p. 5).

After World War II, a postwar population boom affected not only Highland but much of the Los Angeles Basin, resulting in citrus packing houses closing because of losing their supporting orchards to suburban development. Packing houses were converted to light industrial uses as housing tracts continued to replace the citrus groves. The Pacific Electrical Railway discontinued service in 1953, resulting in the removal of its tracks. The Santa Fe Railroad eventually followed suit, abandoning its Highland line in the early 1980s (Beattie 1994, 2004; McAvoy 2000, p. 5).

In the 1980s the Highland Chamber of Commerce pushed for the formation of the City of Highland, which was incorporated on November 24, 1987. The City area included 32,300 acres, with a population of approximately 34,439 in 1990. In 1994, San Bernardino Army Airfield closed and was redeveloped into the San Bernardino International Airport. By 2000, Highland had been transformed from a small agricultural town to a city surrounded by a large urban area. The City's population in 2010 was recorded at 53,104, a 19% increase from 2000. The City is generally divided into two regions by State Route (SR) 210, East Highland, and Highland (Beattie 1994, 2004; McAvoy 2000, p. 5).

3.2 History of the Project Site

The Project site is located in the City of Highland to the west of SR-210 in a neighborhood called Cypress. In the first available aerial photographs of the Project site, from 1930 and 1938, the surrounding area along Victoria Avenue and 3rd Street is dominated by widely dispersed residential properties, undeveloped land, and agricultural land. The Project site appears predominantly as open, undeveloped land with a natural watercourse to the southeast. The agricultural use throughout Highland remained relatively unchanged until the 1950s, which brought a period of suburbanization as citrus groves were replaced by housing tracts to the north of the Project site. Approximately 0.3 miles south of the Project site, south of 3rd Street, was the development of San Bernardino International Airport. By the late 1970s, the majority of the open lots and agricultural land were redeveloped with residential housing tracts (Exhibit 1). The Project site has remained largely open, with residences that line

3rd Street, open land to the east and west, and a water tower and development of industrial warehouses located south of 3rd Street (NETR 2022; UCSB 2022).

As part of the archival research effort, historic aerial photographs were reviewed. Table 2 provides a description of the overall development of the neighborhoods surrounding the Project site based on this review (NETR 2022; UCSB 2022).

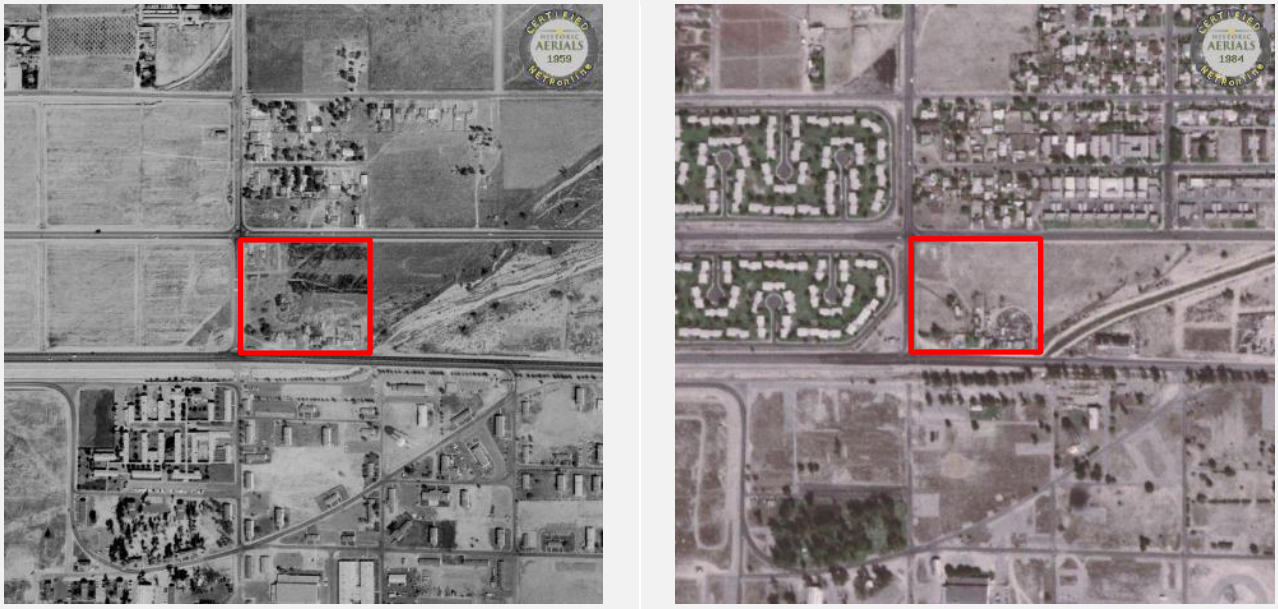
Table 2. Historical Aerial Photograph Review of Project Site

Photograph Year	Observations and Findings
1930	This is the earliest aerial photograph of the Project site. The Project site appears to be undeveloped land at the corner of Victoria Avenue and 3rd Street. Surrounding the Project site are open fields and agricultural land to the north. The majority of the surrounding lots are open and undeveloped. Both Victoria and 3rd Street do not appear to be paved.
1938	The 1938 aerial displays the Project site as undeveloped. A natural watercourse bisects the southeastern section of the Project site. The surrounding area is largely undeveloped, with a few residences northwest of the Project site.
1959	By 1959, all three parcels along 3rd Street within the Project site appear developed. Parcel 1 is developed with a single-family residence. Parcel 2 is developed with a one-story commercial building. Parcel 3 is developed with a single-family residence and three ancillary buildings. There are two additional residences on the Project site located in the northwest corner of the site, and one in the middle of the site, north of Parcels 1, 2, and 3. The surrounding area is undeveloped to the east and west of the site. An increase in residential development occurs to the north of the site. A water tower and airport appear south of 3rd Street, 0.3 miles south of the Project site. 3rd Street appears paved and more established than in the 1938 image.
1966	The image is of too poor a quality to decipher any changes to the Project site. Surrounding the Project site, development continues to the north. South of the site remains undeveloped surrounding the airport.
1968	The 1968 aerial displays an addition to the north and south elevations of the residence on Parcel 1 and an addition to the north elevation of the commercial building on Parcel 2. The buildings on Parcel 3 display no discernible changes. Residential development continues north of the Project site.
1977	The image is of too poor a quality to decipher any changes to the Project site. Surrounding the Project site, development continues to the north. A large-scale residential development appears west of the Project site. The watercourse southeast of the site appears channelized.
1980	The 1980 aerial displays additions to the southwest corner of the residence on Parcel 1 with a hipped roof projection, an addition to the north and west elevations of the commercial building on Parcel 2, and an addition to the east elevation of one of the ancillary buildings of Parcel 3. The surrounding neighborhoods to the north appear more densely developed with single-family residences.
1984	No discernible changes to the Project site and surrounding area.
1985	No discernible changes to the Project site and surrounding area.
1994	The 1994 aerial displays the demolition of one of the residences at the northwest corner of the Project site. There are no other noticeable changes to Parcels 1, 2, and 3. The surrounding neighborhood appears relatively similar to the 1985 image, with some increase in development to the south.

Table 2. Historical Aerial Photograph Review of Project Site

Photograph Year	Observations and Findings
2002	The image is of too poor a quality to decipher any changes to the Project site. No discernible changes to the surrounding area.
2005	The 2005 aerial displays the residence on Parcel 1 with red clay tiles on the roof of the southwest corner hipped roof projection. The building on Parcel 2 appears reroofed with red clay tiles. No other discernible changes to the Project site or the surrounding area were made.
2009	The 2009 aerial shows further changes made to the roof of the building on Parcel 2. The residential building footprint of Parcel 1 has grown larger on the east elevation. No other changes are indicated on the Project site. The large-scale residential development west of the Project site has been demolished.
2010	The 2010 aerial displays an alteration on the east elevation of one of the ancillary buildings on Parcel 3. There are no other discernible changes to the Project site and surrounding area.
2012	No discernible changes to the Project site and surrounding area.
2014	The 2014 aerial shows an alteration to the south elevation of the residence on Parcel 1. No other discernible changes to the Project site and surrounding area.
2016	The 2016 aerial shows that the other residence located in the middle of the Project site north of Parcels 1, 2, and 3 has been demolished. No other discernible changes to the Project site and surrounding area.
2018	No discernible changes to the Project site and surrounding area.
2020	No discernible changes to the Project site. An industrial warehouse has been developed to the southwest of the site.

Exhibit 1. Historic aerial comparison of the Project site from 1959 (left) and 1984 (right), with the Project site outlined in red



Source: NETR 2022, 1959 and 1984.

Parcel 1: 26530 3rd Street

There is a single-family residence currently on Parcel 1: 26530 3rd Street (APN 1192-551-04). According to the San Bernardino County Assessor, the residence was constructed in 1948. The property has been used for residential to commercial uses since its construction. The earliest available newspaper article for the property is from 1958 and advertises it as Lambert's Cleaners laundry service. Archival research yielded little information regarding Lambert's Cleaners. By 1968, historic aerials show an addition to the north and south elevations of the building. By 1974, the property appeared to be a residence, as corroborated by a local newspaper article that indicates Daniel Seasholtz resided there. By 1980, historic aerial images indicate an addition was made to the southwest corner of the building, with a hipped roof projection. The property changed use from the Seasholtz residence to a commercial business in 1983. It was advertised in local newspapers as Parker's Air Conditioning and Heating. Historic newspaper research yielded no additional information regarding Parker's Air Conditioning and Heating. The building underwent multiple alterations and additions over the years. By 2005, historic aerial images indicate the hipped roof projection at the southwest corner of the building had been reroofed with red clay tiles. By 2009, the building's footprint had expanded along the east elevation. By 2014, an alteration had taken place on the south elevation of the building (SBCS 1958, p. 3; 1974, p. 8; 1983, p. 19; NETR 2022; UCSB 2022).

Mr. Seasholtz was the first known resident of the building on Parcel 1. He resided at the property in 1974. Before 1974, and between 1974 and 1994, the owner and residents of the property are unknown. The next known owners of the property were Jack and Fern Patrick, who purchased the property in 1994. In 1998, Stanton and Joyce Weber purchased the property and remained owners until 2003, when Kimberley Zilke and Patrick Grove took ownership. In 2005, Hanhsing Li bought the property and remained the sole owner until 2022, when Patriot USICVI 5th Street LLC took ownership of the property. Archival research yielded no substantial information regarding Mr. Seasholtz,

Mr. and Ms. Patrick, Mr. and Ms. Weber, Ms. Zilke, Mr. Grove, or Hanhsing Li. The property's use has changed from commercial to residential over the years. Table 3 lists the ownership history information available from the San Bernardino County Recorder-Clerk's office between 1974 and 2022 (San Bernardino County Assessor 2022a; SBCS 1958, p. 3; 1974, p. 8; NETR 2022; UCSB 2022).

Table 3. List of Ownership for 26530 3rd Street

Years Owned	Name	Acquisition Date	Document Number
1974–1994	Daniel Seasholtz	Unknown	Unknown
1994–1998	Jack and Fern Patrick	None	9448115200000
1998–2003	Stanton and Joyce Weber	None	9812527800000
2003–2005	Kimberley Zilke and Patrick Grove	01/31/2003	20030063956
2005–2022	Hanhsing Li	10/05/2005	20050746430
2022–present	Patriot USICVI 5th Street LLC	08/17/2022	20220282901

Source: San Bernardino County 2022.

Parcel 2: 26540 3rd Street

There is one commercial building currently on Parcel 2: 26540 3rd Street (APN 1192-551-05), which was built in 1948 according to the San Bernardino County Assessor and confirmed in historic aerial photographs from 1938 and 1959. The 1968 historic aerial image shows an addition to the north elevation of the building. In 1980, an addition had taken place to the north and west elevations. In 2005, the building had been reroofed with red clay tiles. In 2009, further alterations to the roof had taken place (NETR 2022; UCSB 2022).

Archival research revealed no information regarding the original owners of the property. In 1957, the property was advertised in local newspapers as a café for lease, a "restaurant ready for operation" (SBCS 1957, p. 20). In 1976, Sherry Lane Jackson had a fictitious business at 26540 3rd Street called "Rollin' Guitars" (SBCS 1976, p. 27). Historic newspaper research revealed no information about Ms. Jackson. In 1977, the property was advertised as "Sarge's" and was sold to George E. Gibson and Josephine P. Gibson to run their business, "Gibson's Innlocated" (SBCS 1977, p. 26; 1978, p. 38). Archival research yielded no information regarding Sarge's or Gibson's Innlocated. In 1978, Bonnie B. Thomas purchased the property from the Gibsons. No information regarding Bonnie. B. Thomas was found. In 1988, the property was advertised again as "Sarge's," with an advertisement looking for a bartender for the restaurant (SBCS 1988, p. 37). After 1988, the property became Las Potrillas Bar/Cantina and Nightclub. The owner of the property between 1978 and 1991 is unknown. Magdalena Mitchelle purchased the property in 1991. Historic newspaper research yielded no substantial information regarding Ms. Mitchelle. Additionally, historic research yielded no substantial information regarding any of the following owners of the property between 1999 and 2022: Mr. and Mrs. Haro, Ms. Galicia, Ms. Lopez, Mr. Kaminski, Ms. Kaminski, Ms. Gaitan-Hahn, Morley Family Trust, Jeffrey A. Abraham Living Trust, or Hanhsing Li. Table 4 lists the ownership history information available from the San Bernardino County Recorder-Clerk's office between 1991 and 2022 (San Bernardino County Assessor 2022b; SBCS 1978, p. 38; NETR 2022; UCSB 2022).

Table 4. List of Ownership for 26540 3rd Street

Years Owned	Name	Acquisition Date	Document Number
1991–1999	Magdalena Mitchelle	None	9125216400000
1999–2004	Jose and Israel A. Haro	11/30/1999	19990491166
2004–2006	Arcelia Galicia	03/30/2014	20040216094
2006–2015	Maria E. Lopez	06/30/2006	20060447423
2015	Greg Kaminski, Susan Kaminski, Patricia Gaitan-Hahn, Morley Family Trust, Jeffrey A. Abraham Living Trust	02/13/2015	20150071343
2015–2018	Agustin J. Dorado	10/20/2015	20150453796
2018	Greg Kaminski, Susan Kaminski, Patricia Gaitan-Hahn, Morley Family Trust, Jeffrey A. Abraham Living Trust	07/06/2018	20180259835
2018–2022	Hanhsing Li	11/09/2018	20180409630
2022	Patriot USICVI 5th Street LLC	08/17/2022	20220282901

Source: San Bernardino County 2022.

Parcel 3: 26562 3rd Street

There is one house and two ancillary buildings currently on Parcel 3: 26562 3rd Street (APN 1192-551-07), which was built in 1940 according to the San Bernardino County Assessor and confirmed in historic aerial photographs from 1938 and 1959. The 1980 historic aerial image shows an addition to the east elevation of one of the ancillary buildings. In 1980, an alteration had also taken place to the east elevation of that same building. Until 2022, Parcel 3 included a residence and three ancillary buildings. However, in 2022, per visual analysis during the intensive-level survey, one of the ancillary buildings had been destroyed by fire, and the ancillary building west of that had experienced fire damage as well. The first known owners of the property were the Parker Family Trust in 1973. Historic newspaper research yielded no substantial information regarding the Parker Family Trust. According to the San Bernardino County Recorder-Clerk's office, the family owned the property until 2007. Historic research yielded no substantial information regarding the property owners from 2007 to 2022, Mr. Villarruel and Ms. Zacarias. Table 5 lists the ownership history information available from the San Bernardino County Recorder-Clerk's office between 1973 and 2022 (San Bernardino County Assessor 2022c; NETR 2022; UCSB 2022).

Table 5. List of Ownership for 26562 3rd Street

Years Owned	Name	Acquisition Date	Document Number
1973–2007	Parker Family Trust	01/01/1973	9513744100000
2007–2019	Estate of Parker Family Trust	02/26/2007	2007022600003

Table 5. List of Ownership for 26562 3rd Street

Years Owned	Name	Acquisition Date	Document Number
2019–2022	Daniel Villarruel and Aurora S. Zacarias	09/24/2019	20190341968
2022	Patriot USICVI 5th Street LLC	08/18/2022	20220283692

Source: San Bernardino County 2022.

4 Field Survey

4.1 Methods

Dudek architectural historians Kate Kaiser, MSHP, and Caitlin Greeley, MA, conducted an intensive survey of the Project site on November 7, 2022. Both Ms. Kaiser and Ms. Greeley meet the Secretary of the Interior's Professional Qualifications Standards for architectural history. The survey entailed walking around the building exteriors along 3rd Street and Victoria Avenue, documentation with notes and photographs from the public right-of-way, specifically noting character-defining features, spatial relationships, observed alterations, and examining any historic landscape features on the properties.

4.2 Field Survey

Ten parcels and 7.23 acres were surveyed for the 5th Street and Victoria Avenue Warehouse Project. Properties surveyed fell into three categories: vacant and undeveloped, historic-age built environment resources, and non-historic-age built environment properties.

Seven of the parcels surveyed are vacant properties or non-historic-age built environment properties and were fully accessible and visible from the public right-of-way, including Parcel 4: APN 1192-551-06 (constructed 2017), Parcel 5: APN 1192-551-12 (vacant), Parcel 6: APN 1192-551-13 (vacant), Parcel 7: APN 1192-551-14 (vacant), Parcel 8: APN 1192-551-15 (vacant), Parcel 9: APN 1192-551-02 (vacant), and Parcel 10: APN 1192-551-01 (vacant).

Three properties, Parcel 1: 26530 3rd Street (APN 1192-551-04), Parcel 2: 26540 3rd Street (APN 1192-551-05), and Parcel 3: 26562 3rd Street (APN 1192-551-07), are developed with built environment resources over 45 years old and were identified as requiring recordation and evaluation for historical significance. They are described and evaluated for historical and architectural significance in Chapter 5, Significance Evaluation.

Properties Evaluated

- Parcel 1, 26530 3rd Street (APN 1192-551-04), one residential building constructed circa 1948
- Parcel 2, 26540 3rd Street (APN 1192-551-05), one commercial building constructed circa 1948
- Parcel 3, 26562 3rd Street (APN 1192-551-07), one residential building and two ancillary buildings constructed circa 1940

4.3 Built Environment Field Survey Result

Project Site Description

The Project site is located at the northeast corner of East 3rd Street and Victoria Avenue on three parcels: 26530 3rd Street (APN: 1192-551-04-00; Parcel 1), 26540 3rd Street (APN: 1192-551-05-00; Parcel 2), and 26562 3rd Street (APN: 1191-551-07-00; Parcel 3). The Project site includes 10 parcels in total but only these three are developed with built environment resources over 45 years old and were identified as requiring a detailed description. The majority of the Project site is open. The Project site is square. The north half of the Project site is open and undeveloped. Parcel 1 and Parcel 2 are located on the southwest corner of the Project site, surrounded by a 6-foot-

tall chain-link fence along its southern, western, and northern boundaries. Parcel 1, in the southwestern corner of the Project site, is developed with one residential building constructed in 1948 (ParcelQuest 2022) (see Exhibit 2). Parcel 2 is east of Parcel 1 and developed with a nightclub constructed in 1948 (ParcelQuest 2022) (see Exhibit 3). Parcel 3 is east of Parcel 2 (see Exhibits 4 and 5). Parcel 3 is developed with one residential building constructed in 1940, one garage, and one partially burned-down shed (ParcelQuest 2022). Parcel 3 is relatively square, with wood posts that dot the perimeter of the property that appear to have experienced a fire. A rectangular concrete foundation is in the southeastern corner of the Project site on Parcel 3. Surrounding the Project site is vacant land to the west, undeveloped land to the north, a warehouse to the south, and an auto repair shop to the east.

Parcel 1: 26530 3rd Street

The building located on Parcel 1 is a single-family residence that is irregular in plan and one story in height (see Exhibit 2). The building is utilitarian, with no architectural style and a flat roof with a combination of materials, including a hipped roof projection with red clay tiles on the west and south elevations. Its exterior walls are clad in stucco. Fenestration on the primary (south) elevation includes an irregular arrangement of vinyl replacement windows and a replacement vinyl door. All other elevations were obscured by a fence that surrounds the property.

Identified Alterations

The following list of known alterations to the single-family residence on Parcel 1 was compiled through archival research and during the course of the intensive survey:

- Unknown date – Replacement door, south elevation
- Unknown date – Replacement windows, all elevations
- Unknown date – Plywood window surrounds, south, and east elevations
- Unknown date – Metal security bars, south elevation
- Circa 1968 – Addition to the north and south elevations (NETR 2022)
- Circa 1980 – Addition to the southwest corner with hipped roof projection (NETR 2022)
- Circa 2005 – Reroofing of hipped roof projection at the southwest corner with red clay tiles (NETR 2022)
- Circa 2014 – Alteration to south elevation (NETR 2022)

Parcel 2: 26540 3rd Street

The building located on Parcel 2, Las Potrillas Bar/Cantina and Nightclub, is L-shaped in plan and one story in height (Exhibit 3). The building is utilitarian, with no architectural style, with a flat roof at the south half and a shed roof at the north half of the building. The building's exterior walls are clad in stucco. The building's main (south) elevation displays a raised, flat parapet lined with red clay tiles. The building lacks window fenestration openings. The east elevation displays a replacement door under an addition of a shingled awning.

Identified Alterations

The following list of known alterations to the nightclub on Parcel 2 was compiled through archival research and during the course of the intensive survey:

- Unknown date – Replacement door, east elevation
- Unknown date – Reroofing of north half of building

- Unknown date – Shingled awning added, west elevation
- Circa 1968 – Addition to north elevation (NETR 2022)
- Circa 1980 – Addition to north and west elevations (NETR 2022)
- Circa 2005 – Reroofing with red clay tiles (NETR 2022)
- Circa 2009 – Alteration to roof (NETR 2022)

Parcel 3: 26562 3rd Street

The Project site's eastern end (Parcel 3) contains a one-story residence, a one-story utilitarian garage, and a one-story utilitarian shed that has been partially destroyed by fire. The residence has an irregular plan with a side-gabled roof and exterior walls clad in stucco (Exhibit 4). The residence is utilitarian, with no architectural style. Fenestration includes an irregular arrangement of aluminum sliding windows on all elevations and replacement doors on the primary and rear elevations. An addition of a metal awning extends out from the side (west) elevation.

East of the residence is a partially destroyed garage with a hipped roof and stucco cladding. The building has a square plan and an irregular arrangement of two garage door openings and one window opening on the primary (south) elevation. Fenestration openings are covered with plywood. East of the garage is a front-gabled, partially destroyed shed with corrugated metal cladding and no fenestration openings present; only structural beams are visible. The shed appears to have been partially destroyed by fire. East of the shed, a rectangular concrete foundation and corrugated metal pieces appear to be remnants of buildings destroyed by fire in 2022 (Exhibit 5).

Identified Alterations

The following list of known alterations to the buildings on Parcel 3 was compiled through archival research and during the course of the intensive survey:

- Unknown date – Replacement doors, south and north elevation
- Unknown date – Replacement windows, all elevations
- Unknown date – Metal awning addition, west elevation
- Unknown date – Reroofing of the residence
- Circa 1980 – Addition to east elevation of garage (NETR 2022)
- Circa 2010 – Alteration to east elevation of garage (NETR 2022)
- Circa 2022 – Fire damage to two ancillary buildings, with one ancillary building destroyed by fire per visual analysis

Exhibit 2. Parcel 1, south and east elevations, view to northwest (IMG_5251)



Source: Dudek 2022.

Exhibit 3. Parcel 2, south elevation, view to north (IMG_2528)



Source: Dudek 2022.

Exhibit 4. Parcel 3 residence, view to north (IMG_2532)



Source: Dudek 2022.

Exhibit 5. View of garage and shed of Parcel 3, view to northeast (IMG_2533)



Source: Dudek 2022.

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5 Significance Evaluation

For a property to be listed in or determined eligible for listing in the NRHP, it must be demonstrated to possess integrity and to meet at least one of four criteria. The CRHR was designed to reflect the same criteria and integrity as those identified for the NRHP. Therefore, the NRHP and CRHR significance evaluations are presented together.

5.1 Parcel 1: 26530 3rd Street (APN 1192-551-04)

NRHP/CRHR Evaluation of Significance

The property at Parcel 1: 26530 3rd Street (APN 1192-551-04) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an existing historic district, as demonstrated below.

Criterion A/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Archival research of the property at Parcel 1: 26530 3rd Street (APN 1192-551-04) did not find any associations with events that have made a significant contribution to the broad patterns of history. The property was completed in 1948, during a time when Highland was expanding in size and the economy was based on agriculture, primarily dependent on the citrus industry. Despite the property reflecting Highland's growth west of SR-210 during the 1940s, there is no indication that the construction of this specific building marked a pivotal point in the history of the neighborhood or the City. In 1958, the property was advertised in local newspapers as a laundry cleaning business, Lambert's Cleaners. By 1974, the property appears to have changed in use from a commercial building to a residence. Then in 1983, the property appears to have been changed back to commercial uses as Parker's Air Conditioning and Heating. After 1983, the property's function changed again to a residence. The property was never associated with an important aspect of commercial business in the area. In addition, the property was neither the first nor the last single-family residence in the area, as it changed function and followed a continuous pattern of residential development that continued through the 1990s. The property is close to the San Bernardino Airport; however, there is no indication that the property was historically related to the airport or its development. The property is not known to be directly associated with other events that have made a significant contribution to the history of Highland; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2, the property has to be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research failed to indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and the Parcel 1: 26530 3rd Street (APN 1192-551-04) property. The earliest ownership information identified indicated that Daniel Seasholtz owned the property by 1974. Archival research yielded no information regarding Mr. Seasholtz. Before 1974, and between 1974 and 1994, the owner of the property was unknown. Other known owners based on information available from the San Bernardino County Recorder-Clerk's office include Jack and Fern Patrick, Stanton and Joyce Weber, Kimberley Zilke, Patrick Grove, and Hanhsing Li. Research did not reveal any reason to believe that any individuals associated with the property are persons of historic significance.

Due to a lack of identified significant associations with important persons in history, Parcel 1 does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The Parcel 1: 26530 3rd Street (APN 1192-551-04) property contains one historic-age building, a single-family residence built in 1948. The 1948 residence does not reflect an architectural style, type, period, or method of construction. The building is substantially altered due to large-scale additions and material alterations to the doors, windows, and roofing. The building no longer can be said to "embody the distinctive characteristics of a type, period, or method of construction." Archival research did not uncover that the building was the work of a master architect or builder. The building also does not possess high artistic value and is not representative of a significant and distinguishable entity whose components may lack individual distinction. Because the building at Parcel 1: 26530 3rd Street (APN 1192-551-04) lacks architectural merit due to numerous alterations and additions, the property does not appear eligible for the NRHP under Criterion C or CRHR under Criterion 3.

Criterion D/4: That have yielded, or may be likely to yield, information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeological resources. The buildings on Parcel 1: 26530 3rd Street (APN 1192-551-04) are not significant under Criterion D of the NRHP or Criterion 4 of the CRHR as a source, or likely source, of important historical information, nor do they appear likely to yield important information about historic construction methods, materials or technologies.

Integrity Discussion

The Parcel 1: 26530 3rd Street (APN 1192-551-04) property contains one building, which has not been moved or relocated, therefore, the property maintains integrity of location. The Parcel 1 property does not maintain integrity of setting, as the surrounding neighborhood and streetscape have been altered significantly since the 1948 building was constructed. At the time of its construction, the surrounding area was agricultural with sparse, small homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing; therefore, the property no longer retains integrity of setting. Significant alterations and additions to the building on Parcel 1 have substantially impacted integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to numerous alterations to the building on the property, changes in use, and the loss of its original agricultural setting. Parcel 1 can no longer convey its historic sense of a particular period. Finally, the Parcel 1 property does not have any historical associations with people or events and therefore it does not have integrity of association. Therefore, the Parcel 1: 26530 3rd Street (APN 1192-551-04) property does not retain integrity.

City of Highland Statement of Significance

The Parcel 1: 26530 3rd Street (APN 1192-551-04) property does not meet any of the criteria for listing by the City of Highland, as demonstrated below.

A ***It exemplifies or reflects special elements of the city's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.***

As discussed in NRHP/CRHR Criterion A/1, archival research did not discover that the Parcel 1 property was related to historical events significant to the City of Highland and does not reflect special elements of the City's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.

B ***It is identified with persons or events significant in local, state, or national history.***

As discussed in NRHP/CRHR Criterion B/2, archival research did not discover that the Parcel 1 property was the location of any significant historical events or associated with an important person in the City of Highland, California, or United States.

C ***It embodies distinctive characteristics of a style, type, period, or method of construction, or is a valuable example of the use of indigenous materials or craftsmanship.***

As discussed in NRHP/CRHR Criterion C/3, the building identified on Parcel 1 does not exemplify a particular architectural style, type, or period of construction important to the City. The historic-age building has been significantly altered and there are better, more intact examples of buildings from the late 1940s throughout the City. Additionally, due to the date of construction of the building on the property (1948), it is unlikely to be a valuable example of the use of indigenous materials or craftmanship.

D ***It is representative of the work of a notable builder, designer, or architect.***

As discussed in NRHP/CRHR Criterion C/3, archival research did not uncover that the building on Parcel 1 was identified with a builder, designer, or architect whose work could be considered notable within the City of Highland.

E ***It contributes to the significance of an historic area, being a geographically definable area possessing a concentration of historic or scenic properties or thematically related grouping of properties which contribute to each other and are unified aesthetically by plan or physical development.***

Parcel 1 does not contribute to the significance of a historic area nor is it thematically related to a group of properties that contribute to each other and are unified aesthetically. The area surrounding Parcel 1 has been altered significantly since the construction of the 1948 building. At the time of its construction, the surrounding area was agricultural with small, widely dispersed homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing. The historic area that Parcel 1 originally was a part of is no longer extant.

F ***It has a unique location or singular physical characteristics or is a view or vista representing an established and familiar visual feature of a neighborhood, community, or the city of Highland.***

The building on Parcel 1 does not present a unique location or singular physical characteristics, nor is the property a view or vista representing an established and familiar visual feature of a neighborhood, community, or the City of Highland. The building on the property has been heavily altered and therefore does not possess unique characteristics. Additionally, the property does not display a view or vista establishing a familiar visual feature due to multiple changes in use, alterations, and new additions to the building on the property.

G ***It embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.***

As discussed in NRHP/CRHR Criterion C/3, the building on Parcel 1 has substantial material alterations and additions, and no longer embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.

H ***It is similar to other distinctive properties, sites, areas, or objects based on a historic, cultural, or architectural motif.***

Parcel 1 does not possess similar characteristics to properties, sites, areas, or objects based on a historic, cultural, or architectural motif. Due to multiple large-scale alterations and additions to the building on the property since its construction, there are no distinctive characteristics that can relate it to other properties within the City of Highland.

I ***It reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning.***

The building on Parcel 1 does not reflect significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning. Due to multiple large-scale alterations and additions to the building on the property since its construction, it can no longer be associated with different eras of settlement and growth in the City of Highland.

J ***It is one of the few remaining examples in the city, region, state, or nation possessing distinguishing characteristics of an architectural or historical type of specimen.***

Parcel 1 does not represent one of the few remaining examples in the city, region, state, or nation possessing distinctive characteristics of an architectural historical type of specimen. The building on the property has undergone multiple large-scale alterations and additions, and therefore no longer possesses distinctive characteristics of such a type.

5.2 Parcel 2: 26540 3rd Street (APN 1192-551-05)

NRHP/CRHR Evaluation of Significance

The Parcel 2: 26540 3rd Street (APN 1192-551-05) property does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an existing historic district, as demonstrated below.

Criterion A/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Archival research of the property at Parcel 2: 26540 3rd Street (APN 1192-551-05) did not find any associations with events that have made a significant contribution to the broad patterns of history. The property was completed in 1948, during a time when Highland was expanding in size and the economy was based on agriculture, primarily dependent on the citrus industry. Despite the property reflecting Highland's growth west of SR-210 during the

1940s, there is no indication that the construction of this specific building marked a pivotal point in the history of the neighborhood or city. In the 1950s, the property was advertised in local newspapers as a café for lease. After the 1950s, the property was used as Sarge's restaurant. In 1977, the property was advertised as "Sarge's," and was sold to George E. Gibson and Josephine P. Gibson to run their business, "Gibson's Innlocated." Then at an unknown date after 1988, the property became Las Potrillas Bar/Cantina and Nightclub. The property was neither the first nor the last commercial building in the area and followed a continuous pattern of development. The property is located close to the San Bernardino Airport; however, there is no indication that the property was historically related to the airport or its development. The property is not known to be directly associated with any other events that have made a significant contribution to the history of Highland; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2, the property has to be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research failed to indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and the Parcel 2: 26540 3rd Street (APN 1192-551-05) property. The earliest ownership information identified indicated that Sherry Lane Jackson owned the property by 1976. Archival research yielded no information regarding Ms. Jackson. The following year, in 1977, the property was sold to George E. Gibson and Josephine P. Gibson. The Gibsons sold the property to Bonnie B. Thomas in 1978. No historic information regarding Mr. or Mrs. Gibson or Ms. Thomas was found. The property's owners between 1978 and 1991 are unknown. Other known owners based on information available from the San Bernardino County Recorder-Clerk's office include Magdalena Mitchelle, Jose and Israel A. Haro, Arcelia Galicia, Maria E. Lopez, Greg Kaminski, Susan Kaminski, Patricia Gaitan-Hahn, Morley Family Trust, Jeffrey A. Abraham Living Trust, Agustin J. Dorado, and Hanhsing Li. Research did not reveal any reason to believe that any individuals associated with the property are persons of historic significance. Due to a lack of identified significant associations with important persons in history, Parcel 2 does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The Parcel 2: 26540 3rd Street (APN 1192-551-05) property contains one historic-age building, a commercial building built in 1948. The 1948 building does not possess the character-defining features of an architectural style. The building is substantially altered due to large-scale additions and material alterations to the doors and roofing. The building no longer can be said to "embody the distinctive characteristics of a type, period, or method of construction." Archival research did not uncover that the building was the work of a master architect or builder. The building also does not possess high artistic value and is not representative of a significant and distinguishable entity whose components may lack individual distinction. Because the building at Parcel 2: 26540 3rd Street (APN 1192-551-05) lacks architectural merit due to numerous alterations, the property does not appear eligible for the NRHP under Criterion C or the CRHR under Criterion 3.

Criterion D/4: That have yielded, or may be likely to yield, information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeological resources. The building on Parcel 2: 26540 3rd Street (APN 1192-551-05) is not significant under Criterion D of the NRHP or Criterion 4 of the CRHR as a source, or likely source, of important historical information nor does it appear likely to yield important information about historic construction methods, materials, or technologies.

Integrity Discussion

The Parcel 2: 26540 3rd Street (APN 1192-551-05) property contains one building, which has not been moved or relocated; therefore, the property maintains integrity of location. The Parcel 2 property does not maintain integrity of setting, as the surrounding neighborhood and streetscape have been altered significantly since the 1948 building was constructed. At the time of its construction, the surrounding area was agricultural, with small, widely dispersed homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing; therefore, the property no longer retains integrity of setting. Significant alterations to the building on Parcel 2 have substantially impacted integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to numerous alterations to the building on the property and the loss of its original agricultural setting. Parcel 2 can no longer convey its historic sense of a particular period. Finally, the Parcel 2 property does not have any historical associations with people or events; therefore, it does not have integrity of association. Therefore, the Parcel 2: 26540 3rd Street (APN 1192-551-05) property does not retain integrity.

City of Highland Statement of Significance

The Parcel 2: 26540 3rd Street (APN 1192-551-05) property does not meet any of the criteria for listing by the City of Highland, as demonstrated below.

A ***It exemplifies or reflects special elements of the city's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.***

As discussed in NRHP/CRHR Criterion A/1, archival research did not discover that the Parcel 2 property was related to historical events significant to the City of Highland and does not reflect special elements of the City's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.

B ***It is identified with persons or events significant in local, state, or national history.***

As discussed in NRHP/CRHR Criterion B/2, archival research did not discover that the Parcel 2 property was the location of any significant historical events or associated with an important person in the City of Highland, California, or United States.

C ***It embodies distinctive characteristics of a style, type, period, or method of construction, or is a valuable example of the use of indigenous materials or craftsmanship.***

As discussed in NRHP/CRHR Criterion C/3, the building identified on Parcel 2 does not exemplify a particular architectural style, type, or period of construction important to the City. The historic-age building is significantly altered and there are better, more intact examples of buildings from the late 1940s

throughout the City. Additionally, due to the date of construction of the building on the property (1948), it is unlikely to be a valuable example of the use of indigenous materials or craftsmanship.

D ***It is representative of the work of a notable builder, designer, or architect.***

As discussed in NRHP/CRHR Criterion C/3, archival research did not uncover that the building on Parcel 2 was identified with a builder, designer, or architect whose work could be considered notable within the City of Highland.

E ***It contributes to the significance of an historic area, being a geographically definable area possessing a concentration of historic or scenic properties or thematically related grouping of properties which contribute to each other and are unified aesthetically by plan or physical development.***

Parcel 2 does not contribute to the significance of a historic area nor is it thematically related to a group of properties that contribute to each other and are unified aesthetically. The area surrounding Parcel 2 has been altered significantly since the construction of the 1948 commercial building. At the time of its construction, the surrounding area was agriculturally based with small, widely dispersed homesteads. By the 1970s, the majority of these agricultural properties were replaced with tracts of single-family residential housing. The historic area that Parcel 2 originally was a part of is no longer extant.

F ***It has a unique location or singular physical characteristics or is a view or vista representing an established and familiar visual feature of a neighborhood, community, or the city of Highland.***

The building at Parcel 2 does not present a unique location or singular physical characteristics, nor is the property a view or vista representing an established and familiar visual feature of a neighborhood, community, or the City of Highland. The building on the property has been altered and therefore does not possess unique characteristics. Additionally, the property does not display a view or vista establishing a familiar visual feature due to new additions to the building on the property.

G ***It embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.***

As discussed in NRHP/CRHR Criterion C/3, the Parcel 2 property has substantial additions and material alterations and no longer embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.

H ***It is similar to other distinctive properties, sites, areas, or objects based on a historic, cultural, or architectural motif.***

Parcel 2 does not possess similar characteristics to other properties, sites, areas, or objects based on a historic, cultural, or architectural motif. Due to large-scale additions and alterations to the building on the property since its construction, there are no distinctive characteristics that can relate it to other properties within the City of Highland.

I *It reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning.*

The building at Parcel 2 does not reflect significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning. Due to large-scale additions and alterations to the building on the property since its construction, it can no longer be associated with different eras of settlement and growth in the City of Highland.

J *It is one of the few remaining examples in the city, region, state, or nation possessing distinguishing characteristics of an architectural or historical type of specimen.*

Parcel 2 does not represent one of the few remaining examples in the city, region, state, or nation possessing distinctive characteristics of an architectural historical type of specimen. The building on the property has undergone large-scale alterations and additions, and therefore no longer possesses distinctive characteristics of such a type.

5.3 Parcel 3: 26562 3rd Street (APN 1192-551-07)

NRHP/CRHR Statement Evaluation of Significance

The property at Parcel 3: (26562 3rd Street (APN 1192-551-07) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an existing historic district, as demonstrated below.

Criterion A/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Archival research of the property at Parcel 3: 26562 3rd Street (APN 1192-551-07) did not find any associations with events that have made a significant contribution to the broad patterns of history. The property was completed in 1940, when Highland was experiencing suburbanization, with agricultural land replaced with housing tracts, especially with the construction of the Norton Air Force Base located to the south of Parcel 3. Despite the property reflecting Highland's growth west of SR-210 in the 1940s, there is no indication that the construction of this specific residence marked a pivotal point in the history of the neighborhood or City. Although the property is located close to the San Bernardino Airport, there is no indication that the property was historically related to the airport or its development. Additionally, the property was neither the first nor the last constructed in the area, and was merely following a continuous pattern of residential development that continued through the 1990s. The property is not known to be directly associated with events that have made a significant contribution to the history of Highland, including the construction of the Air Force Base; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2, the property has to be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research failed to indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and the Parcel 3: 26562 3rd Street (APN 1192-551-07) property. The earliest ownership information

identified that indicated that the Parker Family Trust owned the property by 1973. According to the San Bernardino County Recorder-Clerk's office, the family trust owned the property until 2007. Research did not reveal any reason to believe that any individuals associated with the property are persons of historic significance. Other known owners between 2007 and 2022 based on information available from the San Bernardino County Recorder-Clerk's office include Daniel Villarruel and Aurora S. Zacarias. Due to a lack of identified significant associations with important persons in history, Parcel 3 does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The Parcel 3: 26562 3rd Street (APN 1192-551-07) property contains one historic-age building, the single-family residence, and two ancillary buildings, built in 1940. The 1940 residence does not reflect character-defining features of an architectural style due to material alterations to the windows, door, and roofing as well as the addition of an awning to the west elevation. Because the original windows and doors have been replaced with modern materials and modern materials were added to the primary elevation, the building no longer can be said to "embody the distinctive characteristics of a type, period, or method of construction." In addition, two of the ancillary buildings experienced fire damage circa 2022. Archival research did not uncover that the residence was the work of a master architect or builder. The building also does not possess high artistic value and is not representative of a significant or distinguishable entity whose components may lack individual distinction. Additionally, the ancillary buildings do not express character-defining features and distinctive characteristics of a specific architectural style and due to their lack of distinctive characteristics, they are unlikely the work of a master architect or builder. Therefore, Parcel 3: 26562 3rd Street (APN 1192-551-07) lacks architectural merit due to numerous alterations and fire damage, and the property does not appear eligible for the NRHP under Criterion C or the CRHR under Criterion 3.

Criterion D/4: That have yielded, or may be likely to yield, information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeological resources. The buildings on Parcel 3: 26562 3rd Street (APN 1192-551-07) are not significant under Criterion D of the NRHP or Criterion 4 of the CRHR as a source, or likely source, of important historical information, nor do they appear likely to yield important information about historic construction methods, materials, or technologies.

Integrity Discussion

The Parcel 3: 26562 3rd Street (APN 1192-551-07) property contains three buildings, none of which are known to have been moved or relocated; therefore, the property maintains integrity of location. The Parcel 3 property does not maintain integrity of setting, as the surrounding neighborhood and streetscape have been altered significantly since the 1940 buildings, the first at the property, were constructed. At the time of construction, the surrounding area was agricultural with widely dispersed small homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing; therefore, the property no longer retains integrity of setting. Significant alterations and fire damage to the majority of the buildings on Parcel 3 have substantially impacted integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to the high number of alterations to the buildings on the property and the loss of its original agricultural setting. Parcel 3 can no longer convey its historic sense of a particular period. Finally, the Parcel 3 property does not

have any historical associations with people or events and therefore it does not have integrity of association. Therefore, the Parcel 3: 26562 3rd Street (APN 1192-551-07) property does not retain integrity.

City of Highland Statement of Significance

The Parcel 3: 26562 3rd Street (APN 1192-551-07) property does not meet any of the criteria for listing by the City of Highland, as demonstrated below.

A ***It exemplifies or reflects special elements of the city's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.***

As discussed in NRHP/CRHR Criterion A/1, archival research did not discover that Parcel 3 was related to historical events significant to the City of Highland and does not reflect special elements of the City's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.

B ***It is identified with persons or events significant in local, state, or national history.***

As discussed in NRHP/CRHR Criterion B/2, archival research did not discover that Parcel 3 was the location of any significant historical events or associated with an important person in the City of Highland, California, or the United States.

C ***It embodies distinctive characteristics of a style, type, period, or method of construction, or is a valuable example of the use of indigenous materials or craftsmanship.***

As discussed in NRHP/CRHR Criterion C/3, none of the three buildings identified on Parcel 3 exemplifies a particular architectural style, type, or period of construction important to the City. The historic-age residence and ancillary buildings are significantly altered, and some experienced fire damage. There are more intact examples of buildings from the 1940s throughout the City. Additionally, due to the date of construction of the earliest building constructed on the property (1940), it is unlikely to be a valuable example of the use of indigenous materials or craftsmanship.

D ***It is representative of the work of a notable builder, designer, or architect.***

As discussed in NRHP/CRHR Criterion C/3, archival research did not uncover that any of the buildings on Parcel 3 were identified with a builder, designer, or architect whose work could be considered notable within the City of Highland.

E ***It contributes to the significance of an historic area, being a geographically definable area possessing a concentration of historic or scenic properties or thematically related grouping of properties which contribute to each other and are unified aesthetically by plan or physical development.***

Parcel 3 does not contribute to the significance of an historic area, nor is it thematically related to a group of properties that contribute to each other and are unified aesthetically. The area surrounding Parcel 3 has been altered significantly since its construction in 1940. At the time of its construction, the surrounding area was agriculturally based with widely dispersed small homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing. The historic area that Parcel 3 originally was a part of is no longer extant.

F ***It has a unique location or singular physical characteristics or is a view or vista representing an established and familiar visual feature of a neighborhood, community, or the city of Highland.***

The buildings at Parcel 3 do not present a unique location or singular physical characteristics, nor is the property a view or vista representing an established and familiar visual feature of a neighborhood, community, or the City of Highland. The majority of the buildings on the property have been heavily altered and fire damaged; therefore, they do not possess unique characteristics. Additionally, the property does not display a view or vista establishing a familiar visual feature due to multiple changes, new additions, and fire damage to the buildings on the property.

G ***It embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.***

As discussed in NRHP/CRHR Criterion C/3, the buildings at Parcel 3 have substantial material alterations and fire damage, and no longer embody elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.

H ***It is similar to other distinctive properties, sites, areas, or objects based on a historic, cultural, or architectural motif.***

Parcel 3 does not possess similar characteristics to properties, sites, areas, or objects based on a historic, cultural, or architectural motif. Due to multiple large-scale alterations and fire damage to the majority of the buildings on the property since their construction, there are no distinctive characteristics that can relate them to other properties within the City of Highland.

I ***It reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning.***

The buildings at Parcel 3 do not reflect significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning. Due to multiple large-scale alterations and fire damage to the majority of the buildings on the property since their construction, they can no longer be associated with different eras of settlement and growth in the City of Highland.

J ***It is one of the few remaining examples in the city, region, state, or nation possessing distinguishing characteristics of an architectural or historical type of specimen.***

Parcel 3 does not represent one of the few remaining examples in the City, region, state, or nation possessing distinctive characteristics of an architectural historical type of specimen. The buildings on the property have undergone multiple large-scale alterations and fire damage, and therefore no longer possess distinctive characteristics of such a type.

5.4 Summary of Evaluation Findings

In conclusion, neither Parcel 1: 26530 3rd Street (APN 1192-551-04), Parcel 2: 26540 3rd Street (APN 1192-551-05), nor Parcel 3: 26562 3rd Street (APN 1192-551-07) appear eligible for listing in the NRHP or

the CRHR or as a City of Highland Cultural Resource due to a lack of important historical associations, lack of architectural merit, and lack of integrity, nor do they appear eligible as contributors to a historic district. As such, the 26530 3rd Street, 26540 3rd Street, and 26562 3rd Street properties are not considered historical resources for the purposes of CEQA. The recommended California Historical Resource Status Code for these properties is 6Z (found ineligible for the NRHP, CRHR, or local designation through survey evaluation).

6 Findings and Conclusions

6.1 Summary of Findings

As a result of extensive archival research, review of previous reports, field survey, and evaluation for historical significance, none of the three properties on the Project site are currently designated or listed under any national, state, or local landmark programs. Dudek evaluated the buildings on the Project site in accordance with Sections 15064.5(a)(2) and 15064.5(a)(3) of the CEQA Guidelines and using the criteria outlined in Section 5024.1 of the California Public Resources Code. Dudek concludes that the buildings do not appear to be eligible for listing in the NRHP or CRHR or as City of Highland Cultural Resources due to a lack of significance. As such, no buildings on the Project site appear to be historical resources under CEQA. The recommended California Historical Resource Status Code for 26530 3rd Street, 26540 3rd Street, and 26562 3rd is 6Z. Further, no potential indirect impacts to historical resources were identified because the proposed Project has no potential to impact the built environment beyond the Project site.

The finding for built environment cultural resources for the proposed Project under CEQA is No Impact. As the proposed Project would have no impact on historic properties or historical resources, no further study is required. Table 6 summarizes these findings.

Table 6. Historic Built Environment Findings

Address	Date Constructed	NRHP/CRHR/ City of Highland Significance Criteria	Previous CRHS Code (if applicable)	Assigned CRHS Code	CEQA Finding
APN 1192-551-04	Parcel 1 -- 1948	Not eligible	Not applicable	6Z: Found ineligible for NRHP, CRHR, or local designation through survey evaluation	Not considered a historical resource for the purposes of CEQA
APN 1192-551-05	Parcel 2 -- 1948	Not eligible	Not applicable	6Z: Found ineligible for NRHP, CRHR, or local designation through survey evaluation	Not considered a historical resource for the purposes of CEQA
APN 1192-551-07	Parcel 3 -- 1940	Not eligible	Not applicable	6Z: Found ineligible for NRHP, CRHR, or local designation through survey evaluation	Not considered a historical resource for the purposes of CEQA

Notes: NRHP = National Register of Historic Places; CRHR = California Register of Historical Resources; CHRS = California Historical Resource Status; CEQA = California Environmental Quality Act; APN = Assessor's Parcel Number.

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Appendix A
Preparers' Qualifications

Caitlin Greeley

ARCHITECTURAL HISTORIAN



Caitlin Greeley (*she/her*) is an architectural historian with 2 years' professional experience. As part of her cultural resources management work, Ms. Greeley has conducted archival research, performed fieldwork, and authored multiple historic context statements. She also has experience preparing and contributing to California Department of Parks and Recreation (DPR) 523 forms. She has experience with consultation for Section 106 of the National Historic Preservation Act, Area of Potential Effect maps, Historic Resource Evaluation Reports, Historical Resource Inventories, Historic American Building Survey photography, reconnaissance and intensive-level surveys, and archival research.

Ms. Greeley meets the Secretary of the Interior's Professional Qualification Standards for both Architectural History and History. She has experience preparing environmental compliance documentation in support of projects that fall under the California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA) and Sections 106 and 110 of the National Historic Preservation Act.

Prior to joining Dudek, Ms. Greeley gained extensive experience working in multicultural and multilingual environments. She has experience photographing historic buildings and writing conservation management statements for preservation and proposals for adaptive reuse of historic buildings.

Education

New York University (London)
MA, Historical and Sustainable Architecture, 2017

The College of Saint Scholastica,
BA, Humanities, 2014

Specialized Training

Historic American Building Survey/Historic American Engineering Record/Historic American Landscapes Survey Photography Training

Dudek Project Experience

As-Needed Historic Research Consultant, City of Coronado, California. Dudek is currently working with the City of Coronado Community Development Department to provide historic preservation services on an as-needed basis. Services scoped under the current contract include historic resources surveys; archival research; preparation of evaluation reports in consideration of the National Register of Historic Places (NRHP), the California Register of Historical Resources, and City of Coronado designation criteria; attendance at Historic Resource Commission and City Council hearings; and review of projects for conformance with the Secretary of the Interior's Standards for Rehabilitation. Ms. Greeley serves as an architectural historian for the task orders and is responsible for archival research and reporting. (2022)

SB2 Planning Grant Project, San Bernardino County, California. Dudek was retained to prepare a Cultural Resources Technical Report in support of the SB2 Planning Grant Project in San Bernardino County. Preparation of the report involved extensive archival research and historic context statement development. Ms. Greeley serves as an architectural historian for the project and is responsible for archival research and coauthoring the historic context statement. (2022)

Willow Tree Inn, City of Compton, California. Dudek was retained to prepare a historic resources evaluation, a Built Environment Inventory, and an evaluation report for the Willow Tree Inn located within the city limits of Compton. Preparation of the report involved extensive archival research, in-field research, historic context statement development, building development descriptions, historical significance evaluations, and DPR forms for the property. Ms. Greeley serves as an architectural historian for the project and is responsible for fieldwork, archival research, and writing building descriptions. (2022)

Relevant Previous Experience

California Housing and Community Investment Department of Los Angeles, City of Los Angeles, California. Ms. Greeley performed intake of incoming work orders of affordable housing projects and conducted historic research on each project site and neighboring properties. She evaluated properties throughout Los Angeles in compliance with Section 106 to determine potential eligibility of historic resources for designation on the NRHP. She also created the preliminary Area of Potential Effects boundary maps for the proposed project using Photoshop for visual presentation. She aided in making preliminary determinations to see if the proposed affordable housing project had an effect on surrounding properties eligible for the NRHP in accordance with Section 106. She coordinated with and provided training to coworkers on the intake process for the project. She conducted site survey of individual resources in the City of Los Angeles through photographic documentation and contributed to DPR forms. (2020–2021)

Cultural Assessment for Weatherization Projects for Homes, California Department of General Services, California. Ms. Greeley helped with the intake of reviews, assigned reviews to staff, and coordinated with agencies. She also conducted research on historic-age properties throughout California using assessor records, building permits, historic aerials, local ordinances, or surveys regarding local historic preservation to determine if the proposed project had an effect on properties eligible for the NRHP in accordance with Section 106. (2020–2022)

XpressWest Passenger Train Project, California and Nevada. Ms. Greeley performed administrative tasks and organized Section 106 consultation party documents. She also contributed to DPR forms and NRHP eligibility evaluations of individual resources. She conducted research on unknown parcels using historic photographs and spatial analysis programs such as Google Earth imaging. She edited survey photos through post-production software, such as Photoshop, for visual presentation. (2020)

Interstate 10/Mt. Vernon Avenue Improvement Project, City of Colton and Caltrans District 8, San Bernardino County, California. Ms. Greeley conducted a field survey to identify built environment resources requiring formal evaluation and participated in the identification of built resources subject to exemption per Attachment 4 of the Caltrans Section 106 Programmatic Agreement. She also researched and contributed to the City of Colton historic context statement in the draft Historical Resources Evaluation Report. Additionally, she prepared DPR forms for individual resources in the project Area of Potential Effect. (2020)

Fenix Marine Intermodal Railyard Expansion and Modernization Project, The Port of Los Angeles and Maritime Administration, California. Ms. Greeley researched consulting parties for the project and drafted consultation letters and tribal letters as part of the Section 106 process. She also contributed to the draft technical report and conducted a field survey of historic built environment resources. (2020)

Nicole Frank, MSHP

ARCHITECTURAL HISTORIAN



Nicole Frank (*nih-COHL FRAYNK; she/her*) is an architectural historian with 6 years' experience in the historic preservation field. Ms. Frank's professional experience encompasses a variety of projects for local agencies, private developers, and homeowners in both highly urbanized and rural areas. Projects have included reconnaissance-level surveys, preparation of resource-appropriate and citywide historic contexts, and historical significance evaluations in consideration of the National Register of Historic Places (NRHP), California Register of Historic Resources (CRHR), and local designation criteria. Ms. Frank has experience conducting historic research, writing landmark designations, performing conditions assessments, and working hands-on in building restoration projects throughout the United States. Ms. Frank also has governmental experience with the City of San Francisco's Planning Department and the City of Chicago's Landmark Designations Department. She meets the Secretary of the Interior's Professional Qualification Standards for Architectural History.

Education

The School of the Art Institute of Chicago
MS, Historic Preservation, 2018

The College of Charleston
BA, Historic Preservation and Art History, 2016

Professional Affiliations

Encinitas Preservation Association, President

California Preservation Foundation

Association for Preservation Technology (APT)

Project Experience

Development

6365 Imperial Avenue Historical Resources Technical Report Project, Denya LLC, San Diego, California. Dudek was retained by Denya LLC to prepare a historical resources technical report (HRTR) for a property located at 6365 Imperial Avenue in the City of San Diego. The report was prepared in accordance with the California Environmental Quality Act (CEQA) Guidelines, Section 15064.5, for historical resources and all applicable City guidelines and regulations. One built environment resource was identified with the subject property as a result of the background research and survey: the commercial building associated with the address 6365 Imperial Avenue. The significance evaluation found that 6365 Imperial Avenue is not eligible under any designation criteria due to a lack of the requisite integrity necessary to convey significant historical associations and a lack of architectural merit. Acting as architectural historian, coauthored the technical report and conducted a pedestrian survey of the site. (2022)

5146–5148 and 5150 Dehesa Road Project, Kevin R. Carlin, San Diego County, California. The property owner, Kevin R. Carlin, is proposing a Tentative Parcel Map to subdivide an existing 5.87-acre parcel into four parcels and one remaining undeveloped parcel, known as the 5146–5148 and 5150 Dehesa Road Project. Dudek completed a HRTR to identify all historical resources (if any) within the project area to determine whether the proposed project would result in a significant impact to historical resources under CEQA. To complete the evaluation of significance, Dudek conducted archival and building development research and developed an appropriate historic context for the evaluation of the project area. All buildings and structures over 45 years old were recorded and evaluated for historical significance. The subject property is recommended not eligible for inclusion in the NRHP, CRHR, and San Diego County Local Register of Historical Resources under all designation criteria due to a lack of historical or architectural significance and lack of integrity. Acting as architectural historian, coauthored the technical report and conducted a pedestrian survey of the site. (2021–2022)

Downtown Buena Park Project, Merlone Geier, Buena Park, California. Dudek prepared an HRTR for a project that proposes the redevelopment of a former Sears building, parking lot, and Sears Automobile Service Station at the Buena Park Downtown Mall, located at 8150 La Palma Avenue in the City of Buena Park. The redevelopment plans include 1,381 residential units, 41,500 square feet of amenity and lobby space, and 2,551 residential parking spaces over 28-acres. The report included an intensive-level survey of the Buena Park Downtown Mall by a qualified architectural historian for historical significance and integrity in consideration of NRHP and CRHR designation criteria; building development and archival research; development of an appropriate historic context for the Buena Park Downtown Mall; and recordation and evaluation of the Sears building, a built environment resource over 45 years old. The Buena Park Downtown Mall does not appear eligible under any NRHP or CRHR designation criteria due to a lack of significant historical associations, architectural merit, and compromised integrity. Acting as architectural historian, coauthored the technical report and conducted a pedestrian survey of the site. (2021)

6th and Victoria Avenue Warehouse Project, Confidential Client, Highland, California. Dudek completed a Historic Resource Evaluation Report (HRER) for a project that proposes to construct a single 307,455-square-foot industrial/warehouse building (inclusive of 10,000 square feet of office/mezzanine). Associated improvements include loading docks, truck and vehicle parking, and landscape areas. The report included an evaluation of three buildings more than 45 years old. Each property was recorded on State of California Department of Parks and Recreation Series 523 Forms (DPR Forms) and was evaluated in consideration of NRHP and CRHR designation criteria and integrity requirements. As architectural historian, authored a historical resources inventory and evaluation report. (2021)

Forest Resiliency Program Project SPI Keystone, Golden State Finance Authority, Tuolumne County, California. Dudek completed a historical resources inventory and evaluation report for a project that proposes to redevelop a site in La Grange and Jamestown in Tuolumne County to facilitate the transport of forest material (e.g., trees with no lumber value and underbrush) by truck, turn it into wood fuel pellets, and then ship the pellets from the site using the existing railroad line. Completed this report to be consistent with Section 106 of the National Historic Preservation Act (NHPA) (36 Code of Federal Regulations 800), CEQA Section 15064.5, Public Resources Code 5024, and applicable local regulations. This report included (1) a California Historical Resources Information System records search conducted at the Central California Information Center for the area of potential effect (APE) plus a 1-mile buffer; (2) a pedestrian surface reconnaissance of the APE for archaeological and built environment resources; and (3) a historical significance evaluation of Property 1 Assessor's Parcel Numbers (APNs) (063- 190- 056, 063-350-004, 063-350-005, and 063-190-051) and Property 2 (Sierra Railroad–Mainline, Keystone Segment) located within the APE. As architectural historian, authored a historical resources inventory and evaluation report. (2021)

Senior Residences at Hillcrest Project, DFA Development, San Diego, California. Dudek prepared a Historic Properties Inventory Report for the project, which proposes to develop a 68-unit, affordable senior housing community located in the Hillcrest neighborhood of San Diego. The project site is partially developed with existing buildings for preschool services associated with the adjacent University Christian Church and a parking lot. The project is proposing to receive U.S. Department of Housing and Urban Development project vouchers issued to the San Diego Housing Commission and is therefore required to undergo a National Environmental Policy Act (NEPA) analysis for receiving federal funding. Acting as architectural historian, coauthored the technical report and conducted a pedestrian survey of the site. (2020–2021)

Sycuan Fee to Trust Project, Sycuan Band of the Kumeyaay Nation Reservation, Unincorporated San Diego County, California. Dudek completed a Historic Properties Inventory and Evaluation Report for the proposed project, located within the vicinity of El Cajon, California, in unincorporated San Diego County. The project proposes a fee-to-trust transfer of five parcels that cumulatively total approximately 40 acres. The transfer of land from the

Sycuan Band to the Bureau of Indian Affairs (the federal lead agency) would include several parcels. Dudek's report included development of a project APE map; the relevant results of a California Historical Resources Information System records search and background research; a pedestrian survey of the APE for built environment resources; and a historical significance evaluation of all properties more than 50 years of age within the APE, in consideration of potential adverse effects to historic properties under Section 106 of the NHPA. The evaluation found that Properties 1, 2, 4, and 5 were not eligible for the NRHP at the individual level or as part of a larger historic district. As a result, no historic properties were identified within the APE, and Dudek recommended a finding of No Historic Properties Affected. As architectural historian, conducted background research and a pedestrian survey. (2021)

Ranch at River Bend Project, Save Gregory Canyon Hills LLC, Community of Pala, California. Dudek completed an HRTR in support of the proposed project, which includes the development of a new, mixed-use community. Acting as architectural historian, coauthored the technical report and conducted a pedestrian survey of the site. (2020)

Enclave at Ivanhoe Ranch Project, Vance and Associates, Rancho San Diego, California. Dudek completed an HRTR in support of the proposed residential development project. The project site totals approximately 121.9 acres in Rancho San Diego. Included in the project site is a historic-era complex of horse ranch buildings and accompanying residences, located at 3256, 3261, 3263, 3267, and 3269 Ivanhoe Ranch Road (APNs 518-030-41, 518-030-43, 518-030-44, and 518-030-45), which were evaluated for historical significance. This study was conducted in accordance with Section 15064.5(a)(2)-(3) of CEQA guidelines, and the project site was evaluated in consideration of NRHP, CRHR, and County of San Diego Historic Preservation Ordinance and resource protection ordinance requirements. Acting as architectural historian, coauthored the technical report and conducted a pedestrian survey of the site. (2020)

Shawnee/CG7600 Master Plan Redevelopment Project, Palmer Mission Gorge Properties, LP, San Diego, California. Dudek conducted a Potential Historical Resource Review (in accordance with Information Bulletin 580) for four properties more than 45 years old within the City of San Diego. Acting as architectural historian, conducted a photographic survey of the four properties within the project site. Updated three 2011 DPR Forms and created a new DPR Form for a previously unrecorded property within the project site. (2020)

740–790 East Green Street Mixed-Use Project, City of Pasadena, California. Dudek completed a Cultural Resources Technical Report (CRTR) for five commercial buildings located in the City of Pasadena (Assessor's Identification Nos. 5734-025-014, 024, 026, 029, 027). The study included a pedestrian survey of the proposed project area, building development and archival research, development of an appropriate historic context for the property, and recordation and evaluation of the property for historical significance and integrity in consideration of NRHP, CRHR, and local eligibility requirements. Acting as architectural historian, updated the Pasadena historic context, conducted archival research, and wrote significance evaluations for the five buildings that are more than 45 years old. (2019)

8850 Sunset Boulevard Project, City of West Hollywood, California. Dudek completed a CRTR for the proposed project, which consisted of the demolition of existing buildings and the construction and operation of a new mixed-use hotel and residential building on a property along the south side of Sunset Boulevard, extending the full city block between Larrabee Street and San Vicente Boulevard. Acting as architectural historian, assisted in the completion of the technical report as the primary writer. (2019)

Palmetto Avenue Warehouse Project, Patriot Development Partners, Rialto, California. Dudek conducted a Cultural Resources Report in support of the proposed project, which proposed to demolish buildings on six parcels in the City of Rialto and construct an industrial/warehouse building on an approximately 4.24-acre property located at the northeast corner of Palmetto Avenue and Baseline Road. Acted as evaluator for three of the six properties, which were at least 45 years old. (2019)

14545 Lanark Street Project, Clifford Beers Housing Inc., Los Angeles, California. Dudek completed an HRER for a property located at 14545 Lanark Street in the Panorama City neighborhood of Los Angeles (APN 2210-011-900). Acting as architectural historian, authored the HRER for the subject property, a Public Social Services Department building constructed in 1967. (2019)

Confidential Solar Energy Project, Confidential Client, California. Dudek completed an HRTR for a confidential solar project. Acting as architectural historian, authored the report evaluating a complex of 20 buildings for historical significance. (2019)

1605 Industrial Avenue Warehouse Project., City of San José, California. Acting as architectural historian, coauthored the CRTR for the project, which included the construction of an approximately 186,000-square-foot industrial warehouse building on an approximately 10.96-gross-acre property located in the northern part of the City of San José. Preparation of the historical context statement involved archival research, building descriptions, historic context development, and historical significance evaluations. (2018)

Jefferson La Mesa Project, JPI, La Mesa, California. The project proposed to demolish three industrial automotive buildings to redevelop the property. Served as architectural historian and coauthor of the HRER for the project. Contributed archival research and historical context development for the three automotive buildings. (2018)

Education

Riverside City College Life Science/Physical Science Reconstruction Project, Riverside Community College District, Riverside, California. Dudek completed a CRTR for the project that proposes to modernize the currently vacant Life Science and Physical Science connected buildings on the Riverside City College campus to allow for growth in the Business and Information Systems programs. Acting as architectural historian, conducted research on the buildings associated with the project. (2021)

Richland Elementary School Reconstruction Project, San Marcos United School District, San Marcos, California. Dudek completed a CRTR for the project located at 910 Borden Road. The proposed project involves the demolition of the existing Richland Elementary School, which includes seven permanent buildings and 24 portable classrooms, and the reconstruction of the school, including the redevelopment of play fields and playgrounds. Acting as architectural historian, conducted a field visit, researched the school district and elementary school, and coauthored the technical report. (2021)

University of California San Diego, Future College Living and Learning Neighborhood, University of California San Diego Campus Planning Office, San Diego, California. Dudek was retained by the University of California (UC) San Diego Campus Planning Office to conduct a visual analysis for the proposed project, which would consist of five housing buildings providing an additional 2,000 beds to serve the student population of the UC San Diego campus. As architectural historian, conducted a field visit to gain a better understanding of the visual environment of the project site and surrounding area. (2020)

San Francisco State University Master Plan Update Environmental Impact Report, San Francisco State University Capital Planning, Design, and Construction, San Francisco, California. Dudek conducted a historic built environment study for the proposed project. Only buildings more than 45 years of age and proposed for renovation or demolition were included in this historic built environment study. Acting as architectural historian, participated in a survey of the San Francisco State University (SFSU) Psychology and Ethnic Studies Building and conducted archival research to prepare appropriate historic context for San Francisco, SFSU, and the Psychology and Ethnic Studies Building. Conducted research on 18 buildings located on the SFSU campus and wrote historic contexts, descriptions, and lists of alterations for each. (2019)

Keats Building and Amphitheater, California State University Fresno, California. As architectural historian, authored the description of the amphitheater and Keats Building on the California State University (CSU) Fresno campus for the CRTR. Also prepared DPR Forms for the two buildings. (2018)

College Park Demolition Project, CSU Chico, California. Dudek was retained by CSU Chico to complete a cultural resources study for a project that proposes demolition of 10 single-family residences near the CSU Chico campus. As architectural historian, coauthored a cultural resources report for CSU Chico, writing 10 building feature descriptions. (2018)

Energy

Battery Storage Project, Confidential Client, San Diego, California. Dudek prepared an HRER for a project that proposes to develop a battery energy storage system located in San Diego. All buildings and structures more than 45 years old identified within the project area were recorded and evaluated for historical significance. The significance evaluation involved conducting archival research and building development research for the project area and completing an appropriate historic context. Acting as architectural historian, conducted pedestrian surveys to evaluate the presence of historic built environmental resources and authored the HRER. (2021)

Battery Energy Storage Project, Confidential Client, Grand Terrace, California. Dudek prepared an HRER for a project that proposes to develop a battery energy storage system in the City of Grand Terrace. This report included development of a built environment study area map, a pedestrian survey of the proposed project study area for built environment resources, and a historical significance evaluation of a steam plant in consideration of state designation criteria and integrity requirements. The significance evaluation found that the steam plant is not eligible under any designation criteria due to a lack of architectural merit and a lack of the requisite integrity necessary to convey significant historical associations. As such, the steam plant is not considered a historical resource under CEQA. Acting as architectural historian, conducted pedestrian surveys and authored the HRER. (2021)

Confidential Solar Project, San Diego County, California. Serving as architectural historian, coauthored the HRTR for the project, which proposed the development of a solar energy facility and energy storage system. The project site totals approximately 1,356 acres and is in unincorporated southeastern San Diego County. The HRTR involved a pedestrian survey for the presence of historic built environment resources. All buildings and structures more than 45 years old were recorded and evaluated for historical significance. The significance evaluation included conducting archival research and building development research for a dairy and creamery complex located on the project site and completing a historic context. The complex of dairy buildings was evaluated for historical significance and is not eligible for inclusion in the NRHP, CRHR, or the County Register due to a lack of significant historical associations. (2020)

Healthcare

St. Joseph's Hospital Master Plan Project, Devenney Group Ltd., Stockton, California. Dudek prepared a historical resources inventory and evaluation report in support of the project. The proposed project site included five properties in the City of Stockton: (1) 1638 North California Street (APN 127-190-32), (2) 1800 North California Street and 542 McCloud Avenue (APN 127-180-44), (3) 534 East Maple Street (APN 127-190-30), (4) 425 East Harding Way (APN 127-150-39), and (5) 445 East Harding Way (APN 127-150-51). Served as architectural historian and coauthor of the historical resources inventory and evaluation report, conducting research on properties 2–4 of the historic-age built environmental resource properties, primarily located within the St. Joseph's Medical Center Complex or on parcels adjacent to the complex that may be acquired. (2020)

Municipal

Ocean Beach Pier Improvements Project, City of San Diego, California. Dudek was retained by the City of San Diego to prepare an HRTR for the Ocean Beach Pier Improvements Project. The City requested an evaluation of whether the Ocean Beach Pier (Ocean Beach Municipal, Pier, or Pier Project site) met eligibility criteria for local, state, or federal designation. The report was prepared in accordance with CEQA Guidelines, Section 15064.5, for historical resources and all applicable City guidelines and regulations. As a result of the evaluation, the Ocean Beach Pier is recommended eligible under NRHP and CRHR Criteria A/1 and C/3 and San Diego Historical Resources Board Designation Criteria A, C, and D. The Ocean Beach Pier reflects special elements of Ocean Beach's historical and economic development and embodies distinctive characteristics of the concrete fishing pier typology. Responsibilities include fieldwork, archival research, and the associated property significance evaluation. (2022–Present)

Los Angeles County Metro Area Plan Project, County of Los Angeles Department of Regional Planning, California. Dudek was retained by the County of Los Angeles Department of Regional Planning to prepare a Historic Context Statement in support of the project. The goal of the Historic Context Statement component is to inform, enhance, and streamline the larger project as it pertains to historical resources. The communities included within the Historic Context Statement include the following: East Los Angeles, East Rancho Dominguez, Florence-Firestone, Walnut Park, West Athens-Westmont, West Rancho Dominguez-Victoria, and Willowbrook. The Historic Context Statement documents the development history of the communities from the rancho period to the present; identifies important themes, events, and patterns of development; and describes the different property types, styles, builders, and architects associated with these important periods and themes. The document will also provide registration requirements and recommendations for future study/action by the County of Los Angeles to facilitate and streamline the historic preservation program. Responsibilities include conducting archival research, coauthoring the Historic Context Statement, engaging with stakeholders, collaborating with the GIS team to create an online mapping tool, performing field survey, attending public meetings, and collaborating with the graphics team for flyers and social media content. (2021–Present)

Florence-Firestone Community Plan Area Historic Resources Survey, County of Los Angeles Department of Regional Planning, California. Dudek was retained by the County of Los Angeles Department of Regional Planning to prepare a Historic Context Statement and conduct a Historic Resources Survey for the Community Plan Area (CPA) of Florence-Firestone. The goal of the project is to document the development history of the community from the rancho period to the present; identify important themes, events, and patterns of development; and describe the different property types, styles, builders, and architects associated with these important periods and themes. The document will also provide registration requirements and recommendations for future study/action by the County of Los Angeles to facilitate and streamline the historic preservation program. Responsibilities include conducting archival research, coauthoring the Historic Context Statement, engaging with stakeholders, collaborating with the GIS team to create an online mapping tool, attending public meetings, and collaborating with the graphics team for flyers and social media content. (2021–Present)

East Los Angeles Historic Resources Survey of Historic Age Commercial Signage, County of Los Angeles Department of Regional Planning, California. Dudek was retained by the County of Los Angeles Department of Regional Planning to perform a Historic Resources Survey and focused Historic Context Statement for historic age commercial signage located in the CPA of East Los Angeles. The goal of the project is to document the history of commercial signage, record and evaluate significant historic signs, and designate all applicable signs as County Landmarks. Responsibilities include archival research, collaboration with the GIS team to create an online mapping tool, and collaboration with the graphics team for flyers and social media content. (2021–Present)

Mission Bay Park Improvements Project, City of San Diego, California. Dudek reviewed the City's proposed seawall and bulkhead designs for conformance with the Secretary of the Interior's Standards for the Treatment of Historic Properties, specifically the Standards for Rehabilitation. This review included advising the design team on how to remain in conformance with the standards by way of informal design review/check-ins throughout the design review process. Acting as architectural historian, conducted a pedestrian survey, and coauthored the Mission Beach Seawall Evaluation Memorandum. (2021–Present)

Pier View Way Bridge and Lifeguard Headquarters Restoration/Replacement Project, Confidential Client, Oceanside, California. Dudek is preparing a CRTR for a project that proposes to restore or replace the concrete portion of the Pier View Way Bridge and the Lifeguard Headquarters in the City of Oceanside. This report includes a pedestrian survey for historic built environment resources, development research, archival research to develop the appropriate historic context, and a historical significance evaluation. The report discusses the proposed project description, regulatory framework, all sources consulted, research and field methodology, setting, and findings. In addition, the report discusses the proposed project's potential to impact historical resources under CEQA and will provide recommendations as appropriate. Acting as architectural historian, conducted pedestrian surveys and coauthored the technical report. (2021–Present)

Mira Mesa CPA Historic Context Statement and Focused Reconnaissance Survey, City of San Diego, California. Dudek prepared a historic context statement identifying the historical themes and associated property types important to the development of Mira Mesa, accompanied by a reconnaissance-level survey report focused on the master-planned residential communities within the Mira Mesa CPA. This study was completed as part of the comprehensive update to the Mira Mesa CPA and Programmatic Environmental Impact Report. While the historic context statement addressed all development themes and property types within the community, the scope of the survey was limited to residential housing within the CPA constructed between 1969 and 1990. Acting as architectural historian, coauthored and completed the historic context statement, the survey document, and all associated archival research efforts. (2020–Present)

University CPA Historic Context Statement and Focused Reconnaissance Survey, City of San Diego, California. Dudek prepared a historic context statement identifying the historical themes and associated property types important to the development of the University CPA, accompanied by a reconnaissance-level survey report focused on the master-planned residential communities within the University CPA. This study was completed as part of the comprehensive update to the University CPA and Programmatic Environmental Impact Report. While the historic context statement addressed all development themes and property types within the community, the scope of the survey was limited to residential housing within the CPA constructed between the 1960s and 1990s. Acting as architectural historian, coauthored and completed the historic context statement, the survey document, and all associated archival research efforts. (2020–Present)

Coronado Citywide Historic Resources Inventory and Historic Context Statement, City of Coronado, California. Dudek is currently in the process of preparing a historic context statement and historic resources inventory survey for all properties at least 50 years old within City of Coronado limits. Following current professional methodology standards and procedures developed by the California Office of Historic Preservation and the National Park Service, Dudek will develop a detailed historic context statement for the City that identifies and discusses the important themes, patterns of development, property types, and architectural styles prevalent throughout the City. Dudek will also conduct a reconnaissance-level survey of all properties within City limits that are at least 50 years old to identify individual properties and groupings of properties (i.e., historic districts) with potential for historical significance under City Criterion C (properties that possess distinctive characteristics of an architectural style; are valuable for the study of a type, period, or method of construction; and have not been substantially altered). Acting as architectural historian, authored the historic context statement and conducted reconnaissance-level surveys of properties within City limits. (2019–Present)

As-Needed Historic Research Consulting Services, City of Coronado, California. Dudek provides as-needed historic consulting services for various projects. Each evaluation involves the creation of an occupancy timeline, supplemental research on occupants, building development research (including architects, builders, and property), a pedestrian survey of the project area, creation of a description of the surveyed resource, and completion of a historical significance evaluation report in consideration of designation criteria and integrity requirements. Acting as project manager and architectural historian, authored HRERs for the following properties: 936 J Avenue, 310 2nd Street, 718 B Avenue, 1027-1029 Orange Avenue, 735 Margarita Avenue, 519 Ocean Boulevard, 1901 Monterey Avenue, 269 Palm Avenue, 1113 Adella Avenue, 1519 4th Street, 745 A Avenue, 451–55 Alameda Boulevard, 503 10th Street, 121 G Avenue, 1152 Glorietta Boulevard, 711 Tolita Avenue, 951 G Avenue, 817 A Avenue, 625 B Avenue, 260 D Avenue, 761 I Avenue, 816 1st Street, 820 A Avenue, 953-57 G Avenue, 725 Adella Avenue, 754 H Avenue, 168-70 F Avenue, 1011 E Avenue, 404 8th Street, and 1421 6th Street. (2019–Present)

Gilroy Citywide Historic Resources Inventory, City of Gilroy, California. Dudek is currently bringing to completion a citywide historic context statement and historic resources inventory update of the City of Gilroy's outdated 1986 historic resources inventory. Dudek hosted a public kickoff meeting/outreach session that was well-received by the community, successfully completed a reconnaissance-level survey of more than 3,000 properties on time and within budget, and completed a draft citywide historic context statement. Dudek is also preparing a Public Guide to Preservation that provides an overview of the City's existing policies, what it means to live in a designated property/a district contributor, answers to commonly asked questions concerning restrictions on alterations, and clarification of common misconceptions about property owner requirements. Acting as surveyor, utilized Dudek's architectural survey application to record the features, alterations, and photographs of historic-era buildings throughout the City. Additionally, assisted in the data management and cleanup of the majority of the DPR Forms produced for each of the surveyed buildings. This process included assigning status codes, editing descriptions, choosing an accurate photograph, and adding proper narrative significance. (2020)

955 Hancock Avenue, City of West Hollywood, California. Dudek completed a City-compliant Historical Resource Assessment for a single-family residential property located at 955 Hancock Avenue in West Hollywood. The property was built in 1910 and did not appear to have been previously evaluated for historical significance. This study included a pedestrian survey of the property by a qualified architectural historian, building development and archival research, development of an appropriate historic context for the property, and recordation and evaluation of the property for historical significance and integrity in consideration of NRHP, CRHR, and City of West Hollywood Register eligibility requirements. Acting as architectural historian, assisted in the completion of the assessment as the primary writer. (2018)

Transportation

Keller Road/Interstate 215 Interchange Project, California Department of Transportation, Murrieta and Menifee, California. The project proposed to construct a new, full interchange and auxiliary lanes at Interstate 215 and Keller Road in Riverside County. Acted as architectural historian for the project, coauthoring the HRER. Preparation of the report included a site visit, archival research, historic context development of Murrieta and Menifee, building feature descriptions of six historic-era resources, and historical significance evaluations. (2018)

Water/Wastewater

Southern First Aqueduct Structures Rehabilitation Project, San Diego County Water Authority, San Diego, California. Dudek conducted a Phase I Cultural Resources Inventory (including both archaeological and built environment) for the Southern First Aqueduct Rehabilitation Project, located along a 21-mile stretch of the First San Diego Aqueduct, east of Interstate 15 from the City of Escondido in the north to the Goodan Ranch/Sycamore Canyon County Preserve west of San Vicente Reservoir. As part of this effort, the San Diego Water Authority will be

applying for a Letter of Permission under its Programmatic Master Plan Permit with the U.S. Army Corps of Engineers (ACOE), pursuant to Section 404 of the Clean Water Act. ACOE is the federal lead agency responsible for overseeing compliance with Section 106 of the NHPA, as this project is exempt from review under CEQA. Acting as architectural historian, coauthored the Phase I Cultural Resources Inventory Report and authored the analysis of potential adverse effects. (2021)

Historic Context Statement for Reservoirs, City of San Diego Public Utilities Department, San Diego, California. Dudek completed a survey and historic context statement for the City's surface water storage system, including 10 dam complexes and the Dulzura Conduit. Dudek also prepared detailed impacts assessments for proposed modification to dams, as required by the Department of Safety of Dams. The project involves evaluation of 10 dam complexes and conduit for historical significance in consideration of NRHP, CRHR, and City designation criteria and integrity requirements. The evaluation required extensive archival research and a pedestrian survey. Acting as architectural historian, evaluated five resources, including the Dulzura Conduit, Upper Otay Dam, Murray Dam, Sutherland Dam, and Miramar Dam. (2020)

Historical Resources Impacts Assessment for Maintenance on the Morena Dam Spillway, City of San Diego, California. Acted as the primary author for an impacts assessment of proposed project activities, including maintenance to the Morena Dam, which is considered a historical resource under CEQA and a historic property under Section 106 of the NHPA. (2019)

Specialized Training

- Specialized Certificate in CEQA Practice, UC San Diego Extension, 90 hours of study, March 2022.
  - BUSA40739: California Environmental Quality Act (CEQA), UC San Diego Extension, Summer 2019.
  - ENVR-40008: Writing Effective CEQA Documents, UC San Diego Extension, Winter 2021.
  - ENVR-40010: CEQA in Practice, UC San Diego Extension, Spring 2021.
  - ENVR-40009: Advanced CEQA, UC San Diego Extension, Winter 2022.

Publications

Frank, N. 2018. "Mid-Century Glass Block: The Colored Patterned and Textured Era." Master's Thesis; The School of the Art Institute of Chicago.

Presentations

Frank, N. 2018. "Mid-Century Glass Block: The Colored Patterned and Textured Era." Presented at the Association for Preservation Technology Annual Conference, Buffalo, New York, 2018.

Frank, N. 2018. "Mid-Century Glass Block: The Colored Patterned and Textured Era." Presented at the Association for Preservation Technology Western Great Lakes Chapter and DOCOMOMO US/Chicago 2018 Symposium: Preservation Challenges of Modernist Structures, Chicago, Illinois, 2018.

Allison Lyons, MSHP

SENIOR ARCHITECTURAL HISTORIAN



Allison Lyons (*AL-ih-suhn LYE-ons; she/her*) is an architectural historian with 12 years' experience throughout the western United States in all elements of cultural resources management. Her expertise includes the preparation of environmental compliance documents in accordance with the California Environmental Quality Act (CEQA) and Section 106 of the National Historic Preservation Act, focusing on the evaluation of historical resources and analysis of project impacts. As a historic preservation consultant, she has been involved in the preparation of numerous large-scale historic resources surveys, Historic American Buildings Survey/Historic American Engineering Record recordation, Federal Rehabilitation Tax Credit and Mills Act Historic Property Contract applications, local landmark nominations, and evaluations of eligibility for a wide variety of projects and property types throughout California. She is highly experienced in writing National Register of Historic Places (NRHP) nominations and historic context statements for local governments.

Education

Columbia University, MS, Historic Preservation, 2010

Scripps College, BA, European Studies, 2006

Ms. Lyons meets the Secretary of the Interior's Professional Qualifications Standards for history and architectural history pursuant to Title 36, Part 61, of the Code of Federal Regulations, Appendix A.

Previous Experience

Section 106 and CEQA

Los Angeles Department of Water and Power Century Trunk Line, Los Angeles Department of Water and Power, City of Los Angeles, California. Dudek was retained by Los Angeles Department of Water and Power to prepare an Avoidance and Protection Plan for Air Raid Siren No. 150. The resource is eligible for the NRHP and California Register of Historical Resources and as a City of Los Angeles Historic-Cultural Monument under Criteria A/1/1 and C/3/3 for its association with World War II and Cold War military infrastructure, and is a historical resource under CEQA. Ms. Lyons is serving as a senior architectural historian, providing quality assurance/quality control for the Post-Construction Monitoring Report. (2021–Present)

Long Beach Airport Section 106 Review, Historic Property Evaluation Report, Long Beach, California. The Long Beach Airport Terminal Area Improvement Project is a multi-phase project that includes the construction of buildings and structures surrounding the existing passenger Terminal Building. The project includes the rehabilitation of the Terminal Building in compliance with the Secretary's Standards for the Treatment of Historic Properties. Ms. Lyons prepared a Historic Property Evaluation Report for Long Beach Airport Terminal Building, seeking State Historic Preservation Officer concurrence on the Area of Potential Effects (APE) for airport and assessment of impacts for the rehabilitation of the historic Terminal Building. Additional work in subsequent phases of the project included additional assessment of impacts for the Quick-Turnaround rental car lot. (2018–2020)

William Mead MOU extension, Los Angeles, CA, 2020, 2020, Housing Authority of the City of Los Angeles Mitigation, Los Angeles, California. Ms. Lyons assisted the Housing Authority of the City of Los Angeles with the extension of their Memorandum of Understanding. The extension was required for continuing projects at multiple, historically significant housing projects across Los Angeles. (2020)

Olive View Medical Center Section 106 Review, Sylmar, California. Ms. Lyons prepared a Section 106 completion report for archeological and Native American monitoring phases of the project that involved the FEMA-financed construction of three new buildings following a fire. (2015)

Vista Irrigation District Reservoirs E2 and F Historical Resource Evaluation Historical Resource Evaluation Report, Vista, California. Ms. Lyons evaluated components of a historic irrigation district in northern San Diego County. Two concrete reservoirs dating to the early twentieth century were recorded and evaluated for historical significance. The significance evaluation included conducting fieldwork and archival research for the reservoirs and completion of a historic context. The reservoirs were evaluated for historical significance and determined not eligible for inclusion in the National Register of Historic Places, California Register of Historic Resources, or the County Register. (2015)

West Los Angeles Veteran's Administration Solar Photovoltaic System, Section 106 Review, Los Angeles, California. Ms. Lyons co-conducted fieldwork, research, and assisted with the preparation of the historic resource evaluation to determine impacts of Solar Photovoltaic System installation on the Veterans Administration campus in West Los Angeles. (2012)

Arcadia City Hall Window Upgrades Section 106 Review, Arcadia, California. Ms. Lyons prepared a historical resource evaluation of Arcadia City Hall to determine if the installation of new windows would impact a historical resource. (2011)

Section 106 and CEQA (Transportation)

Atwater-Merced Expressway Historical Resource Evaluation Report, Merced, California. The Merced County Association of Governments proposed the construction of an expressway linking the communities of Atwater and Merced. Ms. Lyons conducted fieldwork and documented properties in the pathway of the proposed roadway construction. (2021)

San Joaquin Rapid Transit District Solar Installation Project Section 106 Review, Stockton, California. The San Joaquin Rapid Transit District proposed to add solar charging stations and electric buses to support the sustainability of the transit system. Ms. Lyons helped to analyze potential impacts to historical resources at the transit district's three proposed solar installation locations across the City of Stockton. She conducted fieldwork and identified potential impacts to historical resources for the Environmental Impact Report. (2020)

California Department of Transportation District 12, Silverado Canyon Bridge Replacement Project Section 106 Review, Finding of No Adverse Effect Without Standard Conditions, Silverado Canyon, Orange County, California. The California Department of Transportation (Caltrans) proposed to widen a bridge in Silverado Canyon. Ms. Lyons conducted research, site visits, and photographic documentation for the purposes of the Finding of No Adverse Effect without Standard Conditions, which evaluated properties in the APE to determine if the project had the potential to impact historic resources. Property types in the APE included residential properties not visible from the public right-of-way presumed to be eligible due to age. (2020)

Bureau of Engineering Complete Streets, APE Map, Los Angeles, California. The Bureau of Engineering in the City of Los Angeles Complete Streets Division is responsible for the expedited design and construction of street reconstruction projects to maximize public safety. Ms. Lyons reviewed Areas of Potential Effects for proposed projects to identify historical resources in the vicinity of proposed roadwork. (2020)

Los Angeles County Metropolitan Transportation Authority North Hollywood to Pasadena Bus Rapid Transit Corridor Project Historic Resources Technical Report, Los Angeles, California. The North Hollywood to Pasadena Transit Corridor (NoHo to Pasadena Bus Rapid Transit) extends approximately 18 miles and is a key regional connection between the San Fernando and San Gabriel Valleys with connections to the Metro B (Red), G (Orange), and L (Gold) Lines, as well as Metrolink and other municipal bus lines. The corridor passes through four different cities: Los Angeles, Burbank, Glendale, and Pasadena. Ms. Lyons helped define the Historical Resources Project Area, conducted fieldwork, and identified potential impacts to historical resources for the Environmental Impact Report. (2019–2020)

California High-Speed Rail Authority Project Burbank to Los Angeles; Los Angeles to Anaheim, Historical Resource Evaluation Report, Los Angeles, California. The California High-Speed Rail Authority is proposing to construct a high-speed train from Burbank to Anaheim to provide the public with electric-powered, high-speed rail service that provides predictable and consistent travel times between major urban centers and connectivity to airports, mass transit, and the highway network from Los Angeles Union Station to the Anaheim Regional Transportation Intermodal Center in Anaheim. Completed geographic information system (GIS) mapping to identify historic resources within the APE and assisted with completing State of California Department of Parks and Recreation Series 523 Forms (DPR forms). (2015–2020)

Caltrans District 6, Avenue 376 Historical Resource Evaluation Report, Traver, California. Ms. Lyons completed fieldwork documentation and historic resource evaluations for a bridge and irrigation infrastructure. She also conducted a survey to establish the APE. (2019–2019)

Caltrans District 3, Railroad Street Historical Resource Evaluation Report, Elk Grove, California. Completed fieldwork documentation and historic resource evaluations for multiple properties from the late nineteenth and early twentieth centuries that were adjacent to new development. Also included fieldwork survey for adjacent residential neighborhoods to establish the APE. (2019)

Caltrans District 4, Leimert Bridge Historical Resource Evaluation Report, Oakland, California. The City of Oakland, in cooperation with Caltrans, proposed to retrofit and rehabilitate the Leimert Street Bridge over Sausal Creek and Dimond Canyon in the city of Oakland. Ms. Lyons peer-reviewed a supplemental Historic Property Survey Report prepared to analyze and evaluate two properties for NRHP listing – the Leimert Bridge and a segment of the channelized Sausal Creek. (2018)

Caltrans District 4, Bohemian Highway Bridge over Russian River Replacement Historical Resource Evaluation Report, Monte Rio, Sonoma County, California. The Sonoma County Department of Transportation and Public Works proposed to replace the existing Monte Rio Bridge over the Russian River in the community of Monte Rio, on Bohemian Highway, in western Sonoma County. The existing bridge was constructed in 1934. The bridge was previously determined not eligible for the National Register of Historic Places; however, the structure was designated locally as a County Landmark in 2003. Ms. Lyons prepared the National Register of Historic Places evaluations for three historic properties to inform construction plans for a new bridge. Ms. Lyons conducted research, site visits, and photographic documentation for the purposes of the Historic Resource Evaluation Report and DPR forms, which evaluated properties in multiple preliminary alternatives to determine if the project would have the potential to impact historic resources. Property types studied were a locally designated 1934 concrete bridge, a c. 1949 Quonset hut theater, and an early twentieth-century commercial building. (2018–2021)

Caltrans District 7, Central Avenue Pedestrian Improvements Historical Resource Evaluation Report, Ventura, California. The County of Ventura proposed to construct approximately 2,000 linear feet of Portland cement concrete sidewalk on the north side of Central Avenue, connecting existing sidewalks from Joan Way to Rio Mesa High School, filling in the gap in the sidewalk system in the unincorporated Ventura County community of El Rio. Ms. Lyons completed fieldwork documentation to assist with preparing an Area of Potential Effects map and Historic Property Survey Report. (2018)

Caltrans District 2, Sacramento River Trail Bridges Historical Resource Evaluation Report, Redding, California. The City of Redding, in coordination with the U.S. Bureau of Reclamation and Federal Emergency Management Agency, proposes to rebuild four pedestrian bridges along the Sacramento River Trail that were destroyed by the 2018 Carr Fire. The trail follows a portion of the former Southern Pacific Railroad Shasta Division railroad. Assisted with the documentation of the evaluation of the bridges and former railroad for listing in the NRHP. (2018)

Caltrans District 4, Weyand Canal Historical Resource Evaluation Report, Vacaville, California. The Solano Irrigation District, in cooperation with the U.S. Bureau of Reclamation, proposed to demolish and reconstruct four existing reinforced concrete check structures in the Weyand Canal. Peer-reviewed the evaluation of the Weyand Canal both as a potential individual historic property and as a potential contributor to the overall potential Solano Project Historic District. The State Historic Preservation Officer concurred with GPA's recommendation the Weyand Canal is ineligible for listing in the NRHP. (2018)

Caltrans District 7, SR-150 and SR-33 Pedestrian and Bicycle Improvements Historical Resource Evaluation Report, Ojai, California. Caltrans, in cooperation with the City of Ojai, proposed to make improvements to a segment of SR-150 between Maricopa Highway and Gridley Road, and a segment of SR-33 between El Roblar Drive and Ojai Avenue. Ms. Lyons assisted with fieldwork to identify and document historical resources within the APE. Ms. Lyons also created figures and maps for the Section 106 report using GIS. (2017–2018)

Caltrans District 3, E. Rio Bonito Bridge over the Sutter-Butte Canal Historical Resource Evaluation Report, Biggs, California. The County of Butte proposed to widen a bridge over the Sutter-Butte Canal. Ms. Lyons conducted research, site visits, and photographic documentation for the purposes of the HRER, which evaluated properties in the APE to determine if the project had the potential to impact historic resources. Property types in the APE included two residential properties. (2017)

Los Angeles County Metropolitan Transportation Authority, Interstate 605/State Route 60 Corridor Improvement Historical Resource Evaluation Report (Caltrans), Los Angeles, California. The Los Angeles County Metropolitan Transportation Authority, Caltrans, Gateway Cities Council of Governments, and San Gabriel Valley Council of Governments proposed highway improvements along the Interstate (I) 605 Corridor, as well as improvements to State Route (SR) 60 and I-5 related to the interchanges. Assisted with the historic context, DPR forms, GIS tasks for the APE map, and peer-reviewed historic work products. (2017–ongoing)

Los Angeles Metropolitan Transportation Authority, SR-710 Finding of Effect Historical Resource Evaluation Report (Caltrans), Los Angeles, California. The Los Angeles County Metropolitan Transportation Authority, in cooperation with Caltrans, proposed transportation improvements to improve mobility and relieve congestion in the SR-710 North Study area, which is in Los Angeles County and broadly bound by SR-2 and I-5, I-10, I-210, and I-605. Assisted with the Finding of Effect by writing descriptions of individual and district properties within the APEs of four alternatives. Summarized information from existing technical reports on noise, vibration, and other construction- and project-related impacts. (2017)

Caltrans District 10, Capital Southeast Connector – Segment B2 Historical Resource Evaluation Report, Elk Grove, California. The City of Elk Grove proposed to widen a highway segment. Ms. Lyons conducted research, site visits, and photographic documentation for the purposes of the Historical Resources Evaluation Report, which evaluated properties in the APE to determine if the project had the potential to impact historic resources. Property types in the APE included three residential and agricultural properties. (2016–2017)

Caltrans District 10, McHenry Avenue Widening Historical Resource Evaluation Report, Modesto, Stanislaus County, California. The County of Stanislaus proposed to widen the existing two-lane McHenry Avenue to a total of five lanes (two northbound lanes, two southbound lanes, and one continuous left turn/median lane) from the intersection of Ladd/Patterson Road to 0.25 miles south of the intersection with East River Road. Conducted research, site visits, and photographic documentation for the purposes of the HRER, which evaluated properties in the APE to determine if the project had the potential to impact historic resources. Property types in the APE included agricultural-related properties from the 1910s through 2000, historic designed landscapes, a country club, and ranch-style houses. Also completed DPR Forms for the project. (2016–2017)

Los Angeles County Metropolitan Transportation Authority, East San Fernando Valley Transit Corridor Historical Resource Evaluation Report (Caltrans), Los Angeles, California. The Los Angeles County Metropolitan Transportation Authority, in cooperation with the City of Los Angeles, conducted an Alternatives Analysis, Environmental Impact Report/Environmental Impact Statement, and related engineering for the East San Fernando Valley Transit Corridor Project. Prepared evaluations of properties previously identified as eligible within the APE. (2015)

Historic Context Statements and Resource Surveys (Chronological)

City of West Hollywood Residential Properties in the R2, R3, and R4 Multiple-Family Zoning Districts Historic Context Statement, West Hollywood, California. In 2020, the City of West Hollywood began a phased project to update the 2008 citywide survey of Residential Properties in the R2, R3, and R4 Multiple-Family Zoning Districts. Ms. Lyons co-authored the historic context statement prepared as the first part of the project. (2020–2021)

City of West Covina Historic Resources Survey and Context Statement Update, West Covina, California. The City of West Covina was primarily developed during Southern California's post-World War II housing construction boom. The City of West Covina Historic Context Statement, 1945-1978, and Historic Resource Inventory Update report presented the results of a project that updated the City's existing historic context statement (HCS); reviewed properties previously identified for historical significance; and identified, citywide, properties from 1945 to 1978 that have historical significance. The City of West Covina commissioned this project to inform and implement their General Plan Policy updates. The information generated from the Historic Resources Inventory (HRI) Update was intended to assist in the identification of potential historical resources dating from 1945 to 1978. Ms. Lyons served as the project manager. She co-conducted the fieldwork, co-authored historic context statement, documented potential historic resources on inventory forms using Microsoft Access database, prepared final survey report, performed project management duties, and presented findings at public hearings. (2018–2019)

City of Fremont Postwar Development and Architecture in Fremont, Historic Context Statement and Historic Resources Survey (Reconnaissance), Fremont, California. The purpose of the City of Fremont, Postwar Development and Architecture Historic Context Statement, 1945-1970 was to assist the City in the identification, evaluation, and protection of potential historic resources representing the City's development and architecture dating from the post-World War II period through 1970. Ms. Lyons was the lead author of the Context Statement. She conducted research, authored a historic context statement, co-conducted a reconnaissance survey, and identified properties for further study. (2015-2018)

City of West Hollywood Commercial Properties Historic Context Statement and Historic Resources Survey (Intensive), West Hollywood, California. The City of West Hollywood completed the Commercial Survey as an update to the initial citywide survey conducted in 1986. The Commercial Survey focused on commercial, institutional, and industrial structures built before 1975. The project was completed in the fall of 2016. Ms. Lyons conducted research, co-conducted fieldwork, co-authored historic context statement, documented potential historic resources on inventory forms using the RuskinARC database, and prepared the final survey report. She

presented multiple times at public meetings for the project. In conjunction with the project, a new website was developed. The project was awarded the California Governor's Historic Preservation Award and the California Preservation Foundation Preservation Design Award. (2015–2017)

New Monterey Historic Context Statement and Reconnaissance Survey, Monterey, California. The City of Monterey received a $25,000 grant from the State Office of Historic Preservation (OHP) for the preparation of a Historic Survey and Context Statement for the New Monterey commercial and residential neighborhood. The historic context statement identified the themes in the historical development of this area significant at local, state, and national levels, established periods of historical significance, identified associated property types with their character-defining features, and established evaluation criteria and integrity thresholds for important property types sufficient to provide a framework for evaluating resources individually and as district contributors for the National, California, and local registration programs. Ms. Lyons conducted research, co-conducted a reconnaissance survey, created GIS files for integration with the city's map system, drafted sections of historic context statement, and documented potential historic resources on DPR forms. (2012)

Alta Heights Historic Resources Survey (Intensive), Napa, California. The Alta Heights Neighborhood of Napa is located on the east side of the Napa River. It was originally settled primarily after the turn of the century. After the Great Quake of 1906 in San Francisco, many Italian families moved to an area in northern Alta Heights, which came to be known as Little Italy. The neighborhood has varied architecture representing multiple periods of development. As part of a historical resources survey of the neighborhood, Ms. Lyons conducted research, co-conducted fieldwork, and documented potential historic resources on DPR forms. (2011)

SurveyLA, Los Angeles Citywide Historic Context Statement, Los Angeles, California. Los Angeles's citywide historic context statement provides the framework for identifying and evaluating the City's historic resources. The document, created as part of SurveyLA, identifies important themes in the City's history and development. In addition to work on the fieldwork surveys, Ms. Lyons conducted research and authored several themes within the context. She was the lead author for two themes addressing architectural styles and all sub-themes: "Period Revival, 1919-1950" and "Late 19th and Early 20th Century Residential Architecture, 1865-1950." She also contributed to themes developed for two ethnic and cultural communities in Los Angeles. For the "African-Americans in Los Angeles" theme she wrote sub-themes on "Health and Medicine" and "Social Clubs." For the theme addressing "Jews in Los Angeles," she wrote sub-themes on "Religion and Spirituality," "Social Clubs," and the "Entertainment Industry." Ms. Lyons also peer-reviewed "American Colonial Revival, 1895-1960." During Group 1 surveys she identified and named a sub-theme "Asian Eclectic, 1920-1980," which was later developed for the "Exotic Revival, 1900-1980" theme. (2015–2019)

SurveyLA: Group 5 Survey, Westchester-Playa Del Rey Community Plan Area Historic Resources Survey (Intensive), Los Angeles, California. As part of SurveyLA, Ms. Lyons conducted research, co-conducted the fieldwork, and recorded the eligible historic resources using FiGSS, a custom-designed GIS-based database. Following fieldwork, Ms. Lyons wrote the survey report for the Community Plan Area. (2013)

SurveyLA: Group 4 Survey, South San Fernando Valley Community Plan Areas Historic Resources Survey (Intensive), Los Angeles, California. As part of SurveyLA, Ms. Lyons conducted research, co-conducted the fieldwork, including reconnaissance surveys, and recorded eligible historic resources using FiGSS, a custom-designed GIS-based database. She served as manager for North Hollywood-Valley Village Community Plan Area. Following fieldwork, Ms. Lyons wrote the survey report for the Community Plan Area. (2012–2013)

SurveyLA, Bullet-Point Description Database Feature Historic Resources Survey (Intensive), Los Angeles, California. SurveyLA, the City of Los Angeles' comprehensive historic resources survey, utilized a custom-designed,

GIS mobile field survey database called the Field Guide Survey System, or FiGSS. The Citywide context statement was converted into data fields and preloaded into the FiGSS. Ms. Lyons worked with the app developers from the Getty Institute and GIS specialists from the City of Los Angeles to create a supplemental data entry window for FiGSS to generate DPR forms using drop-down menu options to standardize building descriptions and evaluations of significance. (2011–2012)

SurveyLA: Group 2 Survey, South and Southeast Los Angeles Community Plan Areas Historic Resources Survey (Intensive), Los Angeles, California. As part of SurveyLA, Ms. Lyons conducted research, co-conducted the fieldwork, and recorded eligible historic resources using FiGSS, a custom-designed GIS-based database. Following fieldwork, Ms. Lyons wrote the survey report for the Community Plan Area. (2011–2012)

SurveyLA: Group 1 Survey, West Adams- Baldwin Hills - Leimert Park Community Plan Area Historic Resources Survey (Intensive), Los Angeles, California. As part of SurveyLA, Ms. Lyons conducted research, co-conducted the fieldwork, and recorded eligible historic resources using FiGSS, a custom-designed GIS-based database. Following fieldwork, Ms. Lyons wrote the survey report for the Community Plan Area. (2010–2011)

Hollywood Redevelopment Project Area Historic Context Statement and Historic Resources Survey (Intensive), Los Angeles, California. The Community Redevelopment Agency of the City of Los Angeles developed historic context statements and intensive-level assessment surveys for three areas of Los Angeles: Hollywood, Westlake, and Wilshire/Koreatown. Firms worked closely with the City's Office of Historic Resources staff to dovetail survey findings into the SurveyLA project that began two years later. As an intern with Chattel, Inc., Ms. Lyons contributed to the Hollywood Historic Context Statement, writing themes on education, film noir, and radio. She also assisted with fieldwork and documentation of potential historic resources. (2008–2009)

San Vicente Apartment District Historic Resources Survey (Intensive), Santa Monica, California. The San Vicente Apartment District comprises several blocks of courtyard apartments built between the 1930s and 1970s. Ms. Lyons completed fieldwork, photo documentation, and preliminary research on the district to determine if the buildings retained integrity to merit further evaluation as a potential historic district in the vicinity of a development site. (2008)

Folk Victorian Cottages of Memphis Historic Resources Survey (Reconnaissance), Memphis, Tennessee. As an intern at the Memphis Landmarks Commission, conducted research, photographed representative properties, and drafted a brief report on typical Folk Victorian Cottages in the City of Memphis. (2007)

Historical Resource Technical Reports, Historical Resource Evaluations, and Impacts Analysis

Redevelopment Site Historical Resource Evaluation and Impacts Analysis

150 E. Colorado Boulevard Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Pasadena, California. Ms. Lyons complete a completed historic resource evaluation of a commercial office building proposed for demolition. The building dated to the late 1970s. Ms. Lyons also analyzed the potential for a proposed new residential development on the site to impact adjacent historical resources. (2021)

1161 Virginia Road Rehabilitation Project Historical Resource Evaluation with Character-Defining Features Identification, San Marino, California. Ms. Lyons completed a historic resource evaluation of a Beaux-Arts mansion designed by master architect Robert Farquhar. The report included sections that clarified the construction history of the property and identified character-defining features to help inform designs for alterations to the property. (2020)

2862 S. Campus Avenue Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Ontario, California. A new residential development was proposed for a site occupied by a dairy farm with buildings dating to the early 1920s. Ms. Lyons completed a historic resource evaluation of the dairy farm to determine if the development would result in impacts on historical resources. (2020)

676 Moss Street Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Chula Vista, California. Ms. Lyons completed a historical resource evaluation and impacts analysis for a redevelopment site of industrial buildings in Chula Vista. She also identified the potential for the project to cause indirect and/or cumulative impacts to adjacent historical resources. (2020)

City of Hope, Lot G Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Duarte, California. Ms. Lyons completed historical resource evaluations of single-family homes dating from the 1940s and 1950s that were proposed for demolition to construct a new parking lot. (2020)

11th and Hill Street Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons completed a historical resource evaluation and impacts analysis for a redevelopment site in downtown Los Angeles. She also identified the potential for the project to cause indirect and/or cumulative impacts to adjacent historical resources. (2019)

5101 Ocean Blvd/Ripples Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Long Beach, California. Ms. Lyons wrote a Historical Resource Evaluation Report for a substantially altered building in Long Beach that had historical associations with early drag bars and gay clubs in Long Beach. (2019)

8377 Blackburn Avenue Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Three apartment buildings dating to the 1930s were proposed for demolition. Ms. Lyons prepared a historic resource evaluation to verify that the project site did not contain historic resources and the project would not have a significant impact on adjacent properties previously identified as historic resources. (2019)

City of Hope New Hope Village Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Duarte, California. The City of Hope hospital proposed to construct a hotel and meeting room in the northwest section of the City of Hope campus in Duarte. Ms. Lyons evaluated existing buildings dating to the 1970s within New Hope Village before their demolition. (2019)

Bridewell Armory/Highland Park Jr. Art Center Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. The California National Guard Armory in Highland Park, also known as the Bridewell Armory, is the only one of the 57 armories constructed throughout California between 1949 and 1954, that was built within the city limits of Los Angeles. It was identified by SurveyLA as eligible for listing on the National Register of Historic Places. The Bridewell Armory was in continual use by the California National Guard until the mid-1990s. Plans were underway for the adaptive reuse of the building as the Highland Park Jr Art Center. Ms. Lyons completed a thorough historic resource evaluation and impacts analysis of the property and the rehabilitation plans. (2018)

1359 N. Western Avenue (Deluxe Hollywood) Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. The Deluxe Hollywood project involved the construction and development of a seven-story mixed-use commercial and residential building with a total of 203 multi-family residential units and up to 14,231 square feet of commercial space at the ground level. Ms. Lyons assisted with the preparation of a Mitigated Negative Declaration, primarily responding to public comments. (2018)

6300 W. Third Street Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons completed a historic resource evaluation of a large commercial development from the 1950s and 1960s proposed for redevelopment. Ms. Lyons also identified historical resources in the vicinity of the proposed project site and analyzed the potential for the proposed project to impact historical resources according to CEQA thresholds for determining impacts. (2018)

Angel's Landing Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons worked with attorneys for the development team behind Angel's Landing, a proposed 64-story skyscraper and a 42-story high-rise located between Bunker Hill and the Historic Core of downtown Los Angeles. Ms. Lyons prepared a historic resource evaluation and impacts analysis for the vacant project site. The evaluation involved the identification of historical resources in the vicinity and assessment of impacts on numerous adjacent historical resources and historic districts listed on the NRHP, including Angel's Flight funicular railway and the Broadway Theater and Commercial District. (2018–2020)

Artisan, 1520 Ivar Avenue Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. The Artisan project involved the construction of a 25-story residential and commercial tower in the center of Hollywood. The project site was mostly a vacant surface parking lot. Ms. Lyons verified that the project site did not contain historic resources and would not have a significant impact on adjacent properties identified as historic resources. Ms. Lyons prepared a Historic Resource Evaluation Report and analysis of project impacts using the Secretary of the Interior's Standards. She also participated in public outreach with Hollywood Heritage. (2018–2021)

Sunset Junction Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. A redevelopment project was proposed for Sunset Junction, a confluence of multiple streets in the Echo Park area of Los Angeles. Development surrounding the proposed project comprised residential and commercial buildings from the 1920s through 1940s. Ms. Lyons completed a historical resource evaluation and impact analysis to determine if the project would impact historical resources on the project site or within the vicinity of the project site. (2018)

Union Street Condominiums Redevelopment Project Historical Resource Evaluation and Impacts Analysis (for CEQA), Pasadena, California. The Union Street Condominiums is a mixed-use development adjacent to the Old Pasadena District, listed on the National Register of Historic Places. Ms. Lyons assisted with analyzing project impacts through a review of proposed project designs for compliance with the Secretary of the Interior's Standards. (2018)

Violet and 7th Street Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons wrote a historic resource evaluation for a large redevelopment site in the Arts District of downtown Los Angeles. She identified historical resources on the project site and in the vicinity of the project and evaluated direct, indirect, and cumulative impacts for the adaptive reuse of a 1910s industrial building. (2018–2019)

1141-43 N. Detroit Avenue Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), West Hollywood, California. Ms. Lyons completed a historic resource evaluation of low-density residential buildings from the 1920s on a project site proposed for redevelopment. The buildings were proposed for demolition. Ms. Lyons also identified historical resources in the vicinity of the proposed project site and analyzed the potential for the proposed project to impact historical resources according to CEQA thresholds for determining impacts. (2017)

4765-73 Hollywood Boulevard Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons prepared a historic resource evaluation to verify that the project site did not contain historic resources and the project would not have a significant impact on adjacent properties identified as historic resources. (2017)

SunWest (Sunset and Western) Multi-Family Residential Building Development Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons prepared a historical resource evaluation to determine if a proposed new residential development would directly or indirectly impact any historical resources subject to CEQA. The evaluation included the identification and assessment of potential impacts on historical resources on the project site and in the vicinity. Existing development included the St. Andrews Bungalow court and a residence previously identified by CRA survey of Hollywood. (2017)

Neill Lehr Cadillac Dealership Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. The Neill Lehr Cadillac Dealership, a Mid-Century Modern showroom, was identified as a historical resource during SurveyLA. A redevelopment project was proposed for the site. Ms. Lyons completed a historical resource evaluation of the 1960s automobile showroom to inform plans about components of the dealership that would be retained as part of the new development. (2016)

1056 La Cienega Boulevard Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons provided research and evaluation assistance for a historic resource evaluation of a Richard Neutra-designed commercial building in the Mid-City area of Los Angeles. (2016)

1440, 1442 and 1452 Gordon Street Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons completed a historic resource evaluation of low-density residential buildings from the 1910s and 1920s on a project site proposed for redevelopment. The buildings were proposed for demolition. Ms. Lyons also identified historical resources in the vicinity of the proposed project site and analyzed the potential for the proposed project to impact historical resources according to CEQA thresholds for determining impacts. (2016)

2222 S. Figueroa Street Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons completed a historic resource evaluation of commercial buildings from the 1920s on a project site proposed for redevelopment. The buildings were proposed for demolition. Ms. Lyons also identified historical resources in the vicinity of the proposed project site and analyzed the potential for the proposed project to impact historical resources according to CEQA thresholds for determining impacts. (2016)

6530 Sunset Boulevard Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. The commercial building at 6530 Sunset Boulevard is a Spanish Colonial Revival style building in Hollywood with storefronts opening onto a courtyard. Since the building was completed, several restaurants and bars had been tenants in the various storefronts. Ms. Lyons conducted substantial research into the historic uses of the commercial building. This research was presented in a memorandum used for a permit application to support the continued use of areas of the building for food and beverage service. (2016)

736-38 and 742 N. Parkman Avenue Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons completed a historical resource evaluation and impacts analysis for a redevelopment site of low-density residential buildings from the 1910s and 1920s. She also identified the potential for the project to cause indirect and/or cumulative impacts to adjacent historical resources. (2016)

Los Angeles Wholesale Flower Terminal Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Alston + Bird proposed to develop the property at 755 Wall Street (also known as 742 Maple Street) in the Central City Community Plan Area of the City of Los Angeles. Ms. Lyons completed a historic resource evaluation of industrial buildings from the 1960s and 1980s. The Flower Terminal was historically associated with a significant organization; however, extant buildings did not reflect this association. (2016–2017)

The 1860, Western Avenue and Franklin Avenue Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons prepared a historical resource evaluation to determine if a proposed new residential development would directly or indirectly impact any historical resources subject to CEQA. The evaluation included the identification and assessment of potential impacts on historical resources on the project site and in the vicinity. Existing development primarily comprised low-density residential buildings from the 1910s and 1920s. (2016)

1309 and 1319 Dexter Avenue Redevelopment Site Historical Resource Evaluation, Seattle, Washington. Ms. Lyons assisted with the preparation of a historic resource evaluation to comply with local landmarks review before the demolition of a residential building from the 1920s. (2014)

954 5th Street Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Santa Monica, California. Ms. Lyons completed a historical resource evaluation and analysis of impacts for a proposed rear addition to a building constructed more the 40 years ago. She participated in substantial design collaboration as part of mitigation measures to ensure the project would not adversely impact historical resources. (2014–2015)

Virginia and 21st Street, Santa Monica Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Santa Monica, California. Ms. Lyons completed a historic resource evaluation of 1950s apartment buildings as part of a local landmarks review. (2014)

Wilshire and Valencia Historic Resources Evaluation Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Ms. Lyons prepared a historic resource evaluation of three buildings before their demolition. (2013)

3945 Whittier Boulevard Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), East Los Angeles, California. Ms. Lyons prepared historic resource evaluation and DPR forms for the community health clinic undergoing substantial alterations. (2011)

YMCA of Redlands Redevelopment Site Historical Resource Evaluation and Impacts Analysis (for CEQA), Redlands, California. In the 1920s, three prominent architects - Marston, Van Pelt, & Mayberry - designed a building for the YMCA of Redlands. As alterations were planned for the building, Ms. Lyons prepared a historic resource evaluation to assist with the local city planner's review of the project for the potential to impact historical resources. (2011)

Rehabilitation Project Historical Resource Evaluation and Impacts Analysis

Times Mirror Square Rehabilitation Project Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. Times Mirror Square comprises buildings and additions constructed for the Los Angeles Times and Time Mirror companies in downtown Los Angeles. The buildings were constructed over several decades. Ms. Lyons worked on several aspects of documentation of Time Mirror Square, including writing historic context sections on the history of the Los Angeles Times, Times Mirror Company, and prominent individuals associated with the company for the CEQA report and Historic Structure Report. Ms. Lyons also assisted with the Historic American Buildings Survey (HABS) documentation of the complex that was completed to fulfill a mitigation measure. (2017)

Morrison Hotel Rehabilitation Project Historical Resource Evaluation and Impacts Analysis (for CEQA), Los Angeles, California. The Morrison Hotel is located in the South Park area of downtown Los Angeles. Built in 1914 and designed by Morgan and Walls, the four-story building was made famous by a Doors album of the same name, which used a picture taken of the band behind a lobby window at the hotel for its cover art. The hotel fell into disrepair after years of use as single room occupancy housing. A new owner proposed a rehabilitation project at the hotel. Ms. Lyons completed a historical resource evaluation of the property, identifying character-defining features to assist with the initial design development and ensure plans would conform with the Secretary of the Interior's Standards for Rehabilitation. (2017)

San Vicente Inn Rehabilitation Project Historical Resource Evaluation and Impacts Analysis (for CEQA), West Hollywood, California. The San Vicente Inn includes a collection of wood-frame buildings dating to the early years of West Hollywood. Ms. Lyons completed supplemental historic resource evaluations and participated in public meetings for local review of a proposed adaptive reuse project for the Inn. (2013–2015)

Historical Resource Technical Report

8730 Sunset Boulevard Billboard Project Historical Resource Assessment Report, City of West Hollywood, California. The 8730 Sunset Boulevard Billboard Project consists of installation and operation of a new billboard and associated façade improvements at the existing "Sunset Towers" building. The Sunset Towers building at 8730 Sunset Boulevard was constructed in the 1950s and 1960s over the course of two phases. A smaller building was constructed on the northern portion of the parcel between 1957 and 1959. Dudek was retained by the City of West Hollywood to complete this Historic Resource Assessment, an intensive-level evaluation, as part of the environmental review of the proposed project in compliance with CEQA. This study included an intensive survey of the exterior of the Sunset Towers building by a qualified architectural historian; building development and archival research; development of an appropriate historic context; and evaluation of the Sunset Towers building for historical significance and integrity in consideration of NRHP, CRHR, and City of West Hollywood Cultural Heritage Preservation Ordinance designation criteria. Ms. Lyons served as a senior architectural historian and main author of the Historic Resource Assessment of the Sunset Towers building. (2021)

Vermont Corridor Development Plan Historical Resource Technical Report, Los Angeles, California. Ms. Lyons prepared a historical resource evaluation to determine if the Vermont Corridor Development Plan would directly or indirectly impact any historical resources subject to CEQA. The evaluation included the identification and assessment of potential impacts on historical resources on the project site and in the vicinity. (2017)

Sixth Street Park, Arts, River, and Connectivity (PARC) Improvements Project Historical Resource Technical Report, Los Angeles, California. The Sixth Street Viaduct Division of the City of Los Angeles Department of Public Works, Bureau of Engineering, in coordination with the California Department of Transportation, proposed to create a public space in areas beneath and around the new Sixth Street Viaduct between Mateo Street to the west and US-101 to the east in the City of Los Angeles. Ms. Lyons worked with the GPA's team of environmental consultants to prepare Section 106 and CEQA technical reports and Cultural Resources Chapter for the project Environmental Impact Report. (2017)

ArtCenter College of Design Master Plan Environmental Impact Report Historical Resource Technical Report, Pasadena, California. The Master Plan for ArtCenter College in the City of Pasadena addressed the school's two campuses: Hillside Campus, designed by noted Modernist Craig Ellwood, and South Campus, a collection of buildings in an urban setting. Ms. Lyons prepared a Historic Resource Technical Report as part of the environmental review, evaluating both campuses to determine the impacts of the proposed master plan on historic resources. (2016–2016)

City of Hope Specific Plan Environmental Impact Report Historical Resource Technical Report, Duarte, California. GPA assisted the City of Hope in preparing a specific plan for their 116-acre campus in the City of Duarte. Ms. Lyons completed a historic context, survey, documentation, and evaluation of buildings more than 45 years of age on a medical campus containing buildings from the 1920s through 2010s. (2015)

San Diego Veterans Administration (VA) Master Plan Historical Resource Technical Report, San Diego, California. Leo Daley worked with the Veterans Administration to develop a master plan for the campus of the VA San Diego Healthcare System. Working with Chattel, Inc., Ms. Lyons assisted with research, historic resource survey, and fieldwork documentation of the Main Building and Administration Building as part of an evaluation of potential historical resource impacts for the new master plan. (2014)

Flintridge Sacred Heart Master Plan Environmental Impact Report Historical Resource Technical Report, La Canada Flintridge, California. The campus of Flintridge Sacred Heart Academic was originally constructed as a hilltop hotel in the 1920s and 1930s. Ms. Lyons completed a historic resource survey and historic resource evaluation identifying significant buildings and character-defining features of the school campus to be retained as part of planning for the new campus master plan. (2013–2014)

Pomona Corridors Specific Plan Area Environmental Impact Report Historical Resource Technical Report, Pomona, California. The Pomona Corridors Specific Plan encompassed an area of varied development. Ms. Lyons conducted a reconnaissance survey and prepared Department of Parks and Recreation forms for eligible historic resources in the Area of Potential Effects of a roadwork project. (2012)

BIOLA University Master Plan Environmental Impact Report Historical Resource Technical Report, La Mirada, California. The campus of BIOLA University in the City of La Mirada dates to the 1960s. As part of a campus-wide master plan, Ms. Lyons completed a historic resource survey of the college campus. (2012)

Claremont McKenna College Master Plan Environmental Impact Report Historical Resource Technical Report, Claremont, California. Claremont McKenna College is a private liberal arts college in Claremont, California. The college was founded in 1946. Working with Architectural Resources Group, Ms. Lyons prepared a Historic Resource Report for the college's proposed Master Plan. Ms. Lyons completed a historic resource survey and documented buildings dating from the campus's initial construction in the 1940s. (2011–2012)

Local Landmark Nominations and Mills Act Contracts

Anne Banning Community House of the Assistance League of Southern California, 1370 St Andrews St. Historic-Cultural Monument Application, Los Angeles, California. Paul R. Williams designed a Community House for the Assistance League of Southern California, a leading Los Angeles philanthropy, in 1961. The two-story, American Colonial Revival-style Anne Banning Community House served the League's need for a business environment combined with gracious, elegant space for entertaining—teas, luncheons, and privately hosted events. Adaptive reuse of the building was proposed in 2017 and Ms. Lyons completed a City of Los Angeles Historic-Cultural Monument application for the building before construction, identifying the property as significant for its association with an important women's club and architecturally significant as a good example of the Late American Colonial Revival style designed by the master architect Paul R. Williams. (2018–2020)

Four Gables Apartment Building Historic Structure Report and Mills Act Contract Application, West Hollywood, California. The Four Gables apartment building was designed by Leland A. Bryant in a French Chateauesque style. The 16-unit apartment building was completed in 1927. Ms. Lyons prepared an Architectural Features and Treatment Recommendations report as part of an application for a Mills Act contract with the City of West Hollywood. (2019)

Haddon Hall Historic Structure Report and Mills Act Contract Application, Los Angeles, California. Haddon Hall is a brick apartment building in the Wilshire/Koreatown area of Los Angeles. It was designed by master architect S. Charles Lee in the 1920s. Ms. Lyons completed a City of Los Angeles Historic-Cultural Monument application, application for a Mills Act contract, and a Historic Structures Report ahead of a renovation project for the building to ensure the changes would not diminish the integrity of the historic building. (2014–2015)

El Royale Historic Structure Report and Mills Act Contract Application, Los Angeles, California. The El Royale is a historic high-rise apartment building in the Hancock Park neighborhood of Los Angeles. It was designed by architect William Douglas Lee and completed in 1929. Ms. Lyons assisted a team in writing a historic structures report for the building as part of the application for a Mills Act contract. (2013)

Mills Act Applicant Inspections, Los Angeles, California. While working as a consultant to the City of Los Angeles for preapproval inspections of houses whose owners were applying for Mills Act contracts, Ms. Lyons recognized a need to inform property owners about the requirements of the Mills Act program and professional standards for rehabilitation. Ms. Lyons proposed the City develop an applicants' workshop, which would educate applicants and streamline the inspection process. The Mills Act contract applicants' workshop increased the quality of the proposed work plans and significantly reduced the time consultants needed to inspect each property. The workshop is now an integral part of the Mills Act program in cities across the state of California. (2013–2015)

Due Diligence

2501-2525 Wilshire Boulevard Due Diligence Memorandum, Santa Monica, California. As part of due diligence for a potential buyer of a one-story commercial block comprising buildings over 45 years of age, Ms. Lyons completed a review of the potential for buildings on the block to be identified as historical resources. (2020)

Orange County Transit Authority Bus Route Due Diligence Memorandum, Anaheim, California. Ms. Lyons completed fieldwork documentation and a reconnaissance survey to inform future planning efforts for transit routes across multiple cities in Orange County. (2020)

15000 Aviation Boulevard Due Diligence Memorandum, Hawthorne, California. Ms. Lyons was part of a team assembled to bid for purchase and redevelop a Federal Aviation Administration building and landscape designed by master architect Cesar Pelli. (2019)

Arcade Cameo Roxie Theaters Due Diligence Memorandum, Los Angeles, California. Ms. Lyons worked with potential buyers who were interested in the adaptive reuse of three historic theaters on Broadway in downtown Los Angeles. (2014)

Green Building Materials Due Diligence Memorandum, New York, New York. As an intern at the New York City Landmarks Preservation Commission, Ms. Lyons conducted research and drafted a memorandum on building materials made from recycled materials for compatibility in New York City's historic districts. (2009)

As-Needed Historic Research Consultant On Call Services, Coronado, California. Dudek is currently working with the City of Coronado Community Development Department to provide historic preservation services on an as-needed basis. Services scoped under the current contract include historic resources surveys; archival research; preparation of evaluation reports in consideration of National Register of Historic Places, California Register of Historical Resources, and City of Coronado designation criteria; attendance at Historic Resource Commission and City Council hearings; and review of projects for conformance with the Secretary of the Interior's Standards for Rehabilitation. Since January 2019, Dudek has completed 20 work orders for the city. Ms. Lyons serves as a senior architectural historian for the historical resource evaluation task orders and is responsible for quality assurance/quality control of specific deliverables. (2021–Present)

Mitigation and Interpretation

Long Beach Armory HABS Documentation, Long Beach, California. The 26,530 square-foot Armory building was built by the California Army National Guard in 1930 and was decommissioned in 2018. A private developer proposed a rehabilitation project that would incorporate the historic Armory building into a larger development of residential buildings with affordable housing. Ms. Lyons helped fulfill a mitigation measure to complete HABS Documentation of the Armory building before the rehabilitation. Ms. Lyons peer-reviewed narrative documentation prepared by colleagues at GPA Consulting and worked with photographer Stephen Schaeffer to establish views for the photographs that were submitted to the Library of Congress. (2019)

Sequoia Field Documentary Film (Mitigation Measure), Visalia, California. Created narrative, research, and filmed a brief documentary film about the history of a World War II pilot training school that became a prison. The property is listed on the National Register of Historic Places. The brief documentary was prepared as part of a mitigation measure before the demolition of some contributing buildings. (2019)

Hughes Industrial Historic District Website (Mitigation Measure), Playa Vista, California. While at GPA Consulting, Ms. Lyons assisted the Ratkovich Company with the redevelopment of the Hughes Industrial Historic District. The former home of Hughes Aircraft, the district had been previously determined eligible for listing in the National Register of Historic Places. GPA prepared a Historic Resource Treatment Plan (HRTP), which documented the history and significance of the district, identified the character-defining features of the eleven contributing buildings and made recommendations for their treatment, and provided guidelines for rehabilitation and new construction. Additional services included reviewing plans for compliance with the HRTP, construction monitoring, and creating a website on the history of the district. Ms. Lyons collaborated with a team of website designers, property owners, and leasing agents to create a website providing information on the history of the Hughes Industrial Historic District, from its association with eccentric company founder Howard Hughes, to its early incarnation as a center of Southern California's defense and aviation industries, and finally to its recent rebirth as a film production facility and the Hercules Campus, a tech campus for several prominent Silicon Beach companies. (2017)

I. Magnin & Company Building, 3240 Wilshire Boulevard HABS Documentation, Los Angeles, California. Ms. Lyons assisted with the mitigation measure calling for documentation of the building following the National Park Service's HABS format. Working with the GPA team and sub-consultants, she prepared written historical records, managed photography (establishing views), and prepared documentation for transmittal. (2017)

Ace Gallery HABS Documentation, Beverly Hills, California. A substantially altered commercial building used as an art gallery was proposed for demolition to accommodate staging areas needed for the construction of the Metro Purple Line Extension along Wilshire Boulevard. The building was constructed in the 1920s. Master architect Sidney Eisenshtat designed a Brutalist concrete façade for the building in the 1970s. Ms. Lyons prepared HABS narrative documentation of the building with Brutalist concrete façade on Wilshire Boulevard, fulfilling a mitigation measure before the demolition. (2016)

James K. Van de Kamp (La Loma Road) Bridge Rehabilitation Historic American Engineering Record (HAER)-like documentation, Pasadena, California. Ms. Lyons prepared a Historic American Engineering Record (HAER) report for the historic La Loma Road bridge in the Arroyo Parks and Recreation National Register Historic District. The report was completed as mitigation in compliance with Section 106. Ms. Lyons' contributions included the preparation of a written historical and descriptive data report as well as coordinating the photographic documentation. Since renamed the John K. Van de Kamp Bridge, the project received a Preservation Design Award from the California Preservation Foundation and a Historic Preservation Awards from the City of Pasadena's Historic Preservation Commission. (2015)

National Register of Historic Places Nomination

Nickerson Gardens National Register of Historic Places Nomination, Los Angeles, California. Nickerson Gardens is an expansive public housing complex designed by master architect Paul Revere Williams and completed in 1955. The complex is owned and managed by the Housing Authority of the City of Los Angeles. Ms. Lyons conducted fieldwork and research, and prepared the NRHP Nomination for the property under the Multiple Property Documentation Form for Garden Apartment Complexes in the City of Los Angeles. (2020)

North Beach Historic District National Register of Historic Places Nomination and Plaque Program, San Clemente, California. Founded in 1925, San Clemente was one of the first new master-planned towns in California. The North Beach Historic District occupies a prominent location as the historic northern tip of the City of San Clemente along North El Camino Real. The North Beach Historic District was listed on the National Register of Historic Places at the local level of significance under Criterion A in the areas of Community Planning and Development and Entertainment/Recreation. The district features five historic contributing resources designed in the Spanish Colonial Revival style with a period of significance between 1927-1946. Ms. Lyons served as project manager for the National Register of Historic Places nomination of the district and a concurrent, Certified Local Government (CLG) grant-funded project with the City of San Clemente to create content and designs for signage across the district and informational postcards featuring historic images. (2020)

Feather Leaf Inn National Register of Historic Places Nomination, review, St. Croix, US Virgin Islands. The Feather Leaf Inn on St. Croix in the US Virgin Islands is located in buildings that remain from a historic sugar plantation. The plantation was listed on the National Register of Historic Places for its architectural significance. The owners of the Feather Leaf Inn wanted to update the nomination to include information about the social history of the property, addressing the history of enslaved people. Ms. Lyons worked with the property owners to begin the process of updating the nomination, primarily identifying resources and archival materials on the Danish colonial history of the US Virgin Islands. (2018–2020)

Great Wall of Los Angeles National Register of Historic Places Nomination, Los Angeles, California. The Great Wall of Los Angeles is one of the world's largest murals and a significant artwork from the 1970s Chicano mural movement. The mural was designed by noted Chicana artist Judith Baca and executed with the help of over 400 community youth and artists coordinated by the Social and Public Art Resource Center (SPARC). It was Baca's first mural and SPARC's first public art project. The mural is painted on the western side of the Tujunga Wash in the Sherman Oaks area of Los Angeles. Ms. Lyons prepared the National Register of Historic Places Nomination for the Great Wall of Los Angeles under the Multiple Property Documentation Form for Latinos in 20th Century California. (2016)

National Chicano Moratorium National Register of Historic Places Nomination, Los Angeles, California. The Chicano Moratorium was a movement of Chicano anti-Vietnam war activists that built a coalition of Mexican-American groups to organize opposition to the Vietnam War, primarily marches. The legacy of the movement, which highlighted the unequal treatment of Mexican-Americans in multiple facets of American society, was the

creation of community organizations that advocated for health and educational services. Ms. Lyons prepared a Multiple Property Documentation form and individual National Register of Historic Places nominations for five buildings and sites associated with the National Chicano Moratorium anti-Vietnam War protests. Sites included routes for marches held in 1969 and 1970, the Silver Dollar Café (site of Ruben Salazar's death), Brown Beret headquarters, and East Los Angeles Free Clinic. (2015–2018)

Intercultural Council Houses at CMC Peer Review of National Register of Historic Places nomination, Claremont, California. The Intercultural Council Houses was a grouping of twelve small homes constructed around a communal yard in 1947. The property comprising all twelve homes was nominated for listing on the National Register of Historic Places under Criterion A for an association with Latino civil rights and anti-segregation movements in greater Los Angeles. Ms. Lyons completed a peer review of the National Register nomination for the owner of the property. (2014)

West Los Angeles Veterans Administration, National Register of Historic Places Nomination, Los Angeles, California. Ms. Lyons assisted with writing updates to the National Register of Historic Places nomination for the Veterans Administration campus comprising over 300 acres. The campus includes a cemetery and buildings dating to several phases of development from the 1890s through the 2010s. (2013–2014)

Memphis Slim House National Register Nomination National Register of Historic Places Nomination, Memphis, Tennessee. Memphis Slim was an American blues pianist, singer, and composer. Born in Memphis, Tennessee, he spent his most productive years in Chicago and Paris. A house in the Soulsville neighborhood of Memphis was thought to be connected to him. Ms. Lyons completed a National Register of Historic Places nomination for the house. (2007)

Professional Peer Review

2550 Peralta Boulevard Historical Resource Evaluation Report Peer Review, Fremont, California. Ms. Lyons completed a peer review of a report evaluating whether or not a building proposed for adaptive reuse as a school was eligible for listing as a historical resource. (2018)

Cloverleaf Family Bowl Historical Resource Evaluation Report Peer Review, Fremont, California. The Cloverleaf Family Bowl was identified as a potential historical resource during fieldwork for the Postwar Development and Architecture in Fremont, Historic Context Statement. Ms. Lyons completed a peer review of a Landmark Evaluation for the property. She attended multiple public hearings related to determine if the building was a historical resource for the purposes of CEQA. (2018)

Historical Resource Treatment Plans, Impacts Analysis (Secretary of the Interior's Standards Compliance Review)

Athens Park Aquatics Facility Renovation Project Historical Resource Treatment Plan and Impacts Analysis (Secretary of the Interior's Standards Compliance Review), Los Angeles, California. The County of Los Angeles proposed a rehabilitation project at the Aquatics Facility at Athens Park, a park determined eligible for listing in the National Register of Historic Places. Ms. Lyons worked with the architect for the project on two phases of work. In advance of the development of project plans, Ms. Lyons prepared a Preservation Plan for the Aquatics Facility to establish the opportunities and constraints for the rehabilitation. After project plans were prepared, Ms. Lyons reviewed the project plans for compliance with the Secretary of the Interior's Standards for Rehabilitation and made recommendations for modifications to ensure the project plans complied with the Standards. (2020–2021)

Rives Mansion Rehabilitation Project Historical Resource Treatment Plan, Impacts Analysis (Secretary of the Interior's Standards Compliance Review), and Construction Monitoring, Downey, California. Working with the City of Downey, Ms. Lyons collaborated with the project architect for a renovation and rehabilitation project at the Rives Mansion, a historic mansion and walnut farm. In advance of the development of project plans, Ms. Lyons prepared a Preservation Plan for the property to establish the opportunities and constraints for the rehabilitation. After project plans were prepared, Ms. Lyons reviewed the plans for compliance with the Secretary of the Interior's Standards for Rehabilitation and made recommendations for modifications to ensure the project plans complied with the Standards. Ms. Lyons also performed periodic construction monitoring. (2019–2021)

433 N. Camden Avenue Secretary of the Interior's Standards Compliance Review, Beverly Hills, California. Ms. Lyons prepared a historic resource evaluation for a building designed by master architect Sidney Eisenshtat and previously identified as a potential historical resource in the City of Beverly Hills (2019)

Farmers & Merchants Bank Historical Resource Treatment Plan, Los Angeles, California. Los Angeles' Farmers & Merchants Bank was first incorporated in 1871. In 1905, the bank constructed a Classical Revival style designed by Morgan & Walls. In the early stages of planning for a potential rehabilitation project of the buildings' interior public spaces, Ms. Lyons acted as a liaison between the design team and the City of Los Angeles' Office of Historic Resources. She guided the team in the preparation of a historic structures report to guide design decisions; engaged in design collaboration with the project team; and prepared a review of plans for conformance with the Secretary of the Interior's Standards. (2017)

Hollywood Roosevelt Hotel Historical Resource Treatment Plan, Los Angeles, California. In the early stages of planning for a potential rehabilitation project of interior public spaces, Ms. Lyons acted as a liaison between the design team and the City of Los Angeles' Office of Historic Resources. She prepared a historic structures report to guide design decisions for hotel renovations; engaged in design collaboration with the project team; and prepared a review of plans for conformance with the Secretary of the Interior's Standards. (2017)

Villa Primavera, 1300 N. Harper Avenue, West Hollywood - parking addition Secretary of the Interior's Standards Compliance Review, West Hollywood, California. This Spanish-style courtyard apartment building was built and designed by noted developers Arthur and Nina Zwebell. It is considered their first architectural and aesthetic triumph. The building is part of a district listed on the National Register of Historic Places. Ms. Lyons assisted the property owner in exploring options for creating additional parking on the site that would comply with the Secretary of the Interior's Standards. (2017)

3003 Runyon Canyon Secretary of the Interior's Standards Compliance Review, Los Angeles, California. Ms. Lyons collaborated with the property owner and architect on a project to construct a new residence on the same hillside parcel as the Headley/Handley House, a designated City of Los Angeles Historic-Cultural Monument designed by master architect Lloyd Wright. After project plans were prepared, Ms. Lyons reviewed the project plans for compliance with the Secretary of the Interior's Standards for Rehabilitation and made recommendations for modifications to ensure the project plans complied with the Standards. She also responded to public comments on the designs. (2016–2018)

3200 West Adams Boulevard Secretary of the Interior's Standards Compliance Review, Los Angeles, California. Ms. Lyons prepared a memo evaluating an ongoing rehabilitation project for conformance with the Secretary of the Interior's Standards for Rehabilitation. The project involved the adaptive reuse of a historic church into a gymnasium (2016)

Scripps College - Residence Halls Secretary of the Interior's Standards Compliance Review, Claremont, California. Listed on the National Register of Historic Places, the campus of Scripps College is an architecturally significant women's college with contributing buildings developed primarily between the 1920s and 1940s. Working with GPA Consulting, Ms. Lyons assisted the campus architect with ongoing projects to adapt the campus buildings and designed landscapes to meet accessibility requirements. Services included preparing a memorandum describing how proposed ADA-related alterations, including new elevator towers and exterior ramps, would comply with the Secretary of the Interior's Standards. Ms. Lyons presented proposed work to the Board of Trustees and student groups. (2015–2019)

Beverly Hills Home Savings Historical Resource Treatment Plan, Beverly Hills, California. Renowned artist and designer Millard Sheets designed several distinctive branches for Home Savings and Loan. Each commission for Home Savings and Loan was unique to its community and recognizable as a modern landmark. The Beverly Hills Home Savings Branch was proposed for designation as a local landmark. Ms. Lyons wrote a supplement to the local landmark designation, describing the history of alterations at the building. The information was essential to clarify the opportunities and constraints for future changes to the building to conform with the Secretary of the Interior's Standards. (2014–2015)

Third Street Promenade Signage, Santa Monica, 2014-2015. Secretary of the Interior's Standards Compliance Review for Certificate of Appropriateness Application, Santa Monica, California. As part of an application for a Certificate of Appropriateness, Ms. Lyons reviewed a proposed new signage plan at a historic commercial building for conformance with the Secretary of the Interior's Standards. (2014–2015)

Miramar Hotel Historical Resource Treatment Plan and Impacts Analysis (Secretary of the Interior's Standards Compliance Review), Santa Monica, California. The Fairmont Miramar Hotel is a historic hotel in Santa Monica. Ms. Lyons acted as a liaison with the hotel's management company and materials conservator to develop a treatment plan for deteriorating terra cotta cladding on a wing of the historic hotel. (2013–2014)

Sunkist Building Historical Resource Treatment Plan and Impacts Analysis (Secretary of the Interior's Standards Compliance Review), Los Angeles, California. The Sunkist Building was designed by the master architecture firm A.C. Martin and Associates in 1970. The distinctive brutalist building is shaped like an inverted pyramid and surrounded by expansive surface parking lots. As part of a proposed residential development for the parking lots, Ms. Lyons completed a historic resource evaluation of the Sunkist Building and analyzed the impacts of new buildings proposed as part of the site redevelopment plan. Ms. Lyons participated in substantial design collaboration with the development team. (2013–2015)

Santa Monica Post Office Historical Resource Treatment Plan and Impacts Analysis (Secretary of the Interior's Standards Compliance Review), Santa Monica, California. In August 2012, the United States Postal Service (USPS) approved the closure of the 1938 Santa Monica Post Office at 1248 Fifth Street. In December 2013, Skydance Productions purchased the 1938 Santa Monica Post Office intending to convert it to creative office space for the film production company. Before the purchase, Santa Monica City Council agreed to accept a preservation covenant for the post office's exterior and lobby. In 2014, the site was designated a Santa Monica Landmark. Ms. Lyons participated in substantial design collaboration for the adaptive reuse of historic post office building and prepared a Historical Resource Treatment Plan making recommendations to ensure the adaptive reuse of the historic building would be in conformance with the Secretary of the Interior's Standards for Rehabilitation. (2013–2015)

Federal Investment Tax Credit

Elks Lodge/The MacArthur/Park Plaza Federal Investment Tax Credit, Part 1, Los Angeles, California. The MacArthur was originally built in 1925 for the Benevolent and Protective Order of Elks. The 11-story building contained highly decorative meeting rooms and a tower of hotel rooms. The ornate building was designed by master architect Claud Beelman and the elaborate interior murals and decorative paintings were designed by Anthony Heinsbergen and Co, noted painter of numerous Los Angeles cultural landmarks. After the Elks sold the building, it operated as a hotel and filming location, but had generally fallen into disrepair. Ms. Lyons completed a Part 1 Federal Investment Tax Credit application to accompany the rehabilitation of the building into a hotel and restaurant space. (2016–2020)

Grether & Grether Building, 730 S. Los Angeles Street Federal Investment Tax Credit, Part 1 and Historic-Cultural Monument Application, Los Angeles, California. The Grether & Grether Building is a seven-story, Beaux-Arts-style building in downtown Los Angeles. Constructed in the 1920s, the building contained a large dry good retail space on the primary and mezzanine floors with office spaces and garment manufacturing on the upper floors. The owners of the building planned adaptive reuse, changing the upper floors to residential uses. Ms. Lyons completed a Los Angeles Historic-Cultural Monument application for the building, an application for a Mills Act contract, and a Part 1 Federal Investment Tax Credit application. (2013–2015)

Linda Vista Hospital, Rehabilitation Federal Investment Tax Credit, Part 2, Los Angeles, California. Linda Vista Community Hospital was originally constructed for employees of the Santa Fe Railroad. It was one of four employee hospitals run by the railroad Santa Fe Employees Hospital Association. The hospital in the Boyle Heights area of Los Angeles comprised the main hospital building and an adjacent nurses' dormitory building. The hospital closed in 1991. An adaptive reused project to convert the buildings to residential use began in 2011. Ms. Lyons assisted with photography and narrative description for the Part 2 Federal Investment Tax Credit applications for the main hospital and adjacent nurses' dormitory building. (2011–2012)

Archives and Research

Streetscape Design for Linking South L.A. to Downtown: Figueroa Corridor Historic Context Statement, Los Angeles, California. Ms. Lyons completed fieldwork documentation, photography, research, and preparation of presentation book on the history of the Figueroa Corridor and existing historic resources representing phases of the corridor's development for use in public meetings and as a guide for a new, pedestrian-oriented streetscape design. (2010)

Intersection of Wall Street and Broadway Historic Development Report Historic Context Statement, New York, New York. As an intern with Higgins Quasebarth in New York City, Ms. Lyons created a report on the history of the intersection of Wall Street and Broadway from the Dutch colonial period through the present. (2009)

Index of American Design Archival Processing, New York, New York. Ms. Lyons processed archival material from the Index of American Design, a Works Progress Administration documentation program that was a precursor of the Historic American Buildings Survey, for collection at Avery Architectural & Fine Arts Library, Columbia University. Materials included vellum drawings and written historical narratives prepared in the early 1930s. (2009–2010)

James Marston Fitch Papers Archival Processing, New York, New York. James Marston Fitch was an architect and a Preservationist. In 1964, he was one of the founders of the Historic Preservation Program at Columbia University's Graduate School of Architecture, Planning, and Preservation. His archives were donated to the Avery Architectural & Fine Arts Library at Columbia University. Ms. Lyons processed the raw materials and wrote a finding aid to assist researchers. (2009–2010)

Woodland Cemetery Archival Processing, New York, New York. Ms. Lyons worked with several archivists to process correspondence archives of Woodlawn Cemetery in Bronx, New York for Avery Architectural & Fine Arts Library, Columbia University. (2009–2010)

Professional Activities

- Meets the Secretary of the Interior's Professional Qualifications Standards for history and architectural history pursuant to the Code of Federal Regulations, 36 CFR Part 61, Appendix A.
- Urban Land Institute, Young Leader's Group, 2014–2017
- Graduate School of Architecture, Planning, and Preservation at Columbia University, Alumni Board Member, 2013–2021

Presentations

- Association of Environmental Professionals, *Preserving History or Privilege? Advancing Change and Equity in Our Cities by Rethinking CRM and Planning Practices*, Panel Presentation, August 2021
- California Preservation Foundation, *How to Evaluate Integrity*, Presentation, January 2017
- Urban Land Institute, *Historic Buildings and Development Opportunities,* Presentation, July 2016
- Columbia University, *Survey: Postwar Los Angeles*, Presentation and Panel Discussion, April 2013
- University of Southern California, Geographic Information Systems for Historic Preservation, Lecture, December 2012

Appendix B

Department of Parks and Recreation Form Set

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #_____
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings_____
Review Code Reviewer Date

Page 1 **of** 13 ***Resource Name or #:** (Assigned by recorder) 26530 3rd Street
P1. Other Identifier:_____

*P2. **Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Redlands, CA **Date** 1996 (1999 ed.) **T** 1S; **R** 3W; **of of Sec** 5; San Bernardino **B.M.**
c. Address 26530 3rd Street City Highland Zip 92346
d. UTM: (Give more than one for large and/or linear resources) Zone 11S , 479202 mE/ 3774062 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
APN: 1192-551-04

***P3a. Description**: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The building is a single-family residence that is irregular in plan and one story in height. The building is utilitarian, with no architectural style and a flat roof with a combination of materials, including a hipped roof projection with red clay tiles on the west and south elevations. Its exterior walls are clad in stucco. Fenestration on the primary (south) elevation includes an irregular arrangement of vinyl replacement windows and a replacement vinyl door. All other elevations were obscured by a fence that surrounds the property.

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single-family property

***P4. Resources Present:** ☒Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☐Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #):
View facing northwest, Photo # IMG 5251

***P6. Date Constructed/Age and Source:** ☒ Historic ☐Prehistoric ☐ Both
1948 (ParcelQuest)

***P7. Owner and Address:**
Patriot USICVI 5th Street LLC
12126 W Sunset Blvd
Los Angeles, CA 90044

***P8. Recorded by**: (Name, affiliation, and address) [name, last name],
Caitlin Greeley, Dudek
38 N. Marengo Avenue
Pasadena, CA 91101

***P9. Date Recorded:**
12/1/2022

***P10. Survey Type:** (Describe)
Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Dudek. 2022. Dudek. 2022. Historical Resources Technical Report for 5th Street and Victoria Avenue Warehouse Project, City of Highland, California.

*Attachments: ☐NONE ☒Location Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI# _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 26530 3rd Street ***NRHP Status Code** 6Z

B1. Historic Name: 26530 3rd Street
B2. Common Name: 26530 3rd Street
B3. Original Use: Single-family residence B4. Present Use: Single-family residence
***B5. Architectural Style:** N/A
***B6. Construction History:** (Construction date, alterations, and date of alterations)

See continuation sheet.

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** _____ **Original Location:** _____
***B8. Related Features:**

B9a. Architect: unknown b. Builder: unknown
***B10. Significance: Theme** N/A **Area** N/A
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The property at 26530 3rd Street (APN 1192-551-04) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an existing historic district. The property at 26530 3rd Street (APN 1192-551-04) does not meet any of the criteria for listing by the City of Highland.

B11. Additional Resource Attributes: (List attributes and codes) _____
***B12. References:**

See continuation sheet.

B13. Remarks:

***B14. Evaluator:** Caitlin Greeley, MA
***Date of Evaluation:** 12/1/2022

(This space reserved for official comments.)

(Sketch Map with north arrow required.)

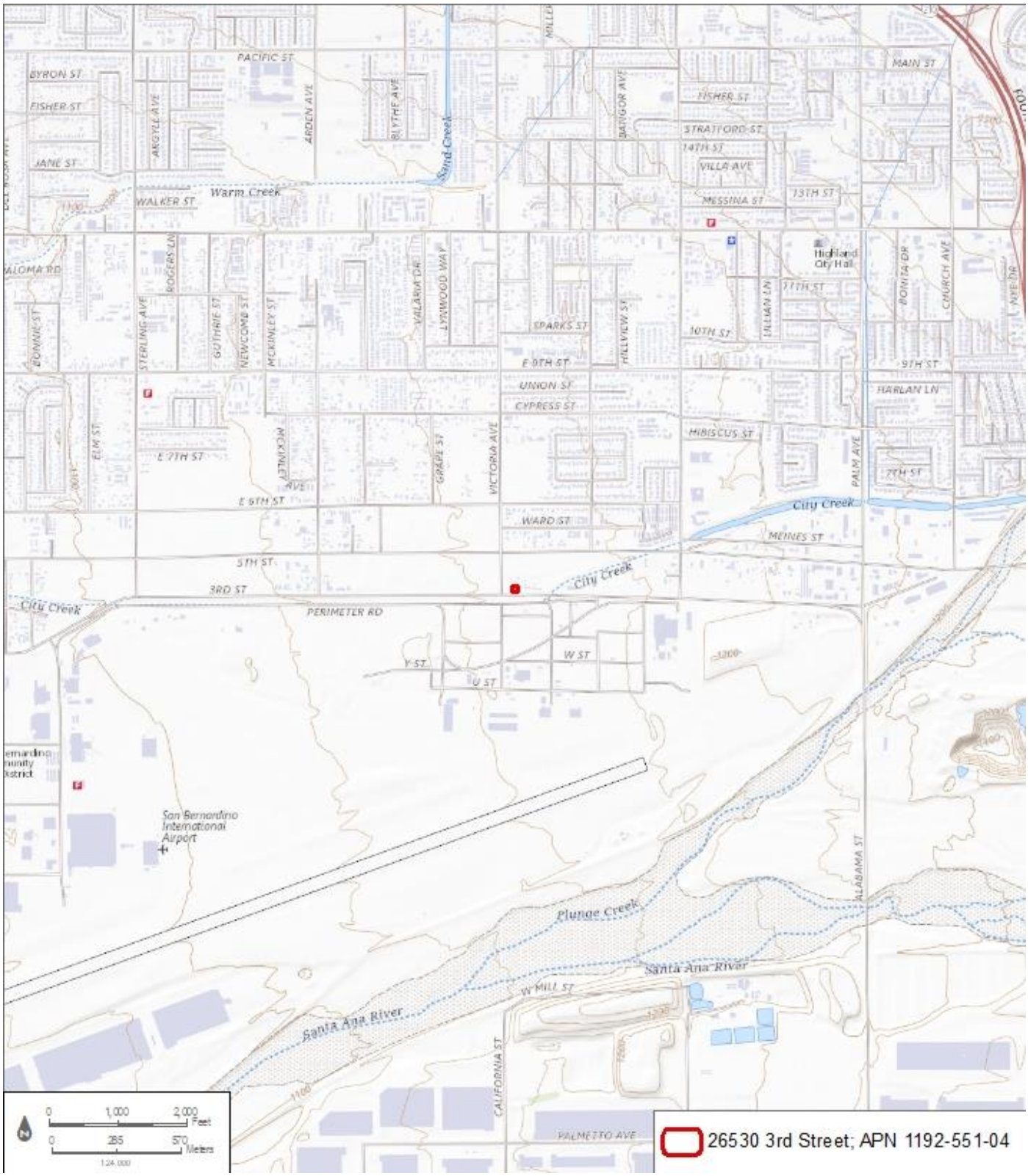


State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

Page 3 **of** 13 ***Resource Name or #** (Assigned by recorder) 26530 3rd Street
***Map Name:** Redlands, CA ***Scale:** 1:24000 ***Date of map:** 1996 (1999 ed.)



*B6. Construction History (continued):

The following list of known alterations to the buildings was compiled through archival research and during the course of the intensive survey:

- Unknown date – Replacement door, south elevation
- Unknown date – Replacement windows, all elevations
- Unknown date – Plywood window surrounds, south, and east elevations
- Unknown date – Metal security bars, south elevation
- Circa 1968 – Addition to the north and south elevations (NETR 2022)
- Circa 1980 – Addition to the southwest corner with hipped roof projection (NETR 2022)
- Circa 2005 -- Reroofing of hipped roof projection at the southwest corner with red clay tiles (NETR 2022)
- Circa 2014 – Alteration to south elevation (NETR 2022)

*B10. Significance (continued):

Historical Overview of the City of Highland

The City of Highland's settlement began in 1856 when John Henry Cram and six of his eight sons established a settlement known as Cramville, located in the northeast section of modern-day subdivision The Village Lakes at 5th Street and Orange Street. Cram and his family were the first known white settlers in the area. Cram and fellow settler Frederick Van Leuven constructed a ditch in 1858 to bring water from the Santa Ana River to their lands in East Highland. The ditch ran from City Creek into the present site of the City of Highland. In 1857, Henry Rabel, a German immigrant, purchased 40 acres along what is now Base Line Street, west of Victoria Avenue. Rabel purchased 80 additional acres in 1859, which became Rabel Springs, so named for the large pond and natural thermal wells located on the land. Rabel capitalized on the medicinal quality of the springs and constructed bathhouses and an 11-room hotel for tourists. The area became popular as a recreation spot and in 1887, Harlem Springs was developed east of Victoria Avenue. Harlem Springs included a swimming pool, bathhouses, an entertainment hall, and picnic grounds. This led to multiple civic improvements, including the area's first County road in 1860, Santa Ana Canyon Road (now West 5th Street) (Beattie 1994, 2004; San Bernardino Public Library 2022).

The area that became the City of Highland was developed as separate settlements. This included Messina in 1873 at Base Line Avenue and Palm Avenue. Messina's location was approximately the midpoint of the emerging towns and as a result, it became the commercial center. Buildings were constructed for private businesses, soon followed by a post office and grocery store. The first school district was formed in Cramville in 1869 and with its rising population, Messina formed a district named Highland soon after. This was the first formal use of the name Highland. Before this, the whole area was referred to as the Highlands because of the altitude and proximity to the foothills of the San Bernardino Mountains. In 1885, the Santa Fe Railroad (California Southern Railway) constructed a new line through the Cajon Pass, connecting San Bernardino to the rest of the state. Rail line expansion began soon after, with prominent people in Redlands raising $42,750 to purchase rights-of-way and depot grounds connecting San Bernardino to Redlands, which was soon expanded to Mentone. Local railroad officials thought a loop from Mentone back to San Bernardino would be most efficient by way of the present-day City of Highland. Although the community was not yet officially incorporated as a city, the name "Highland" was used for the train depot and became the preferred identifier for the community. In January

1892, the loop of the "Kite Shaped Track" was finished as a 158-mile-long figure 8 from the Santa Fe yards in Los Angeles east to Mentone and back. The line offered both freight and passenger services and opened San Bernardino County for more land development and settlement (Beattie 1994, 2004).

The presence of the railroad not only brought more people to the area but new industries and commercial opportunities as well. By the early 1880s, agricultural development was increasing with the planting of citrus orchards throughout Highland and San Bernardino County. Citrus was considered a high-value crop and required well-drained upland soils. This led to the construction of the North Fork Ditch in 1881, which diverged from the Cram–Van Leuven Ditch and ran west along the mountains. The dependable water supply stimulated agricultural development and production. Citrus groves were present in the area starting in 1857, but it was not until the Washington navel orange was introduced in 1873 that citrus farming became the leading industry. Between 1881 and 1892, over a thousand acres of citrus were planted in Highland. The railroad also brought the fruit packing and lumber industries to the area; meanwhile, the area remained dependent on the citrus industry (McAvoy 2000, p. 2).

At the turn of the twentieth century, Highland's growth had accelerated with the construction of a library, community hall, packing houses, a new business building on Palm Avenue, and many new residences. Highland and downtown San Bernardino were connected in 1903 with the establishment of the Bernardino Valley Traction Company's electric railway line. The local economy, still dependent on the citrus industry, fluctuated based on how well the industry did. In 1913, a freeze hit Southern California, killing many citrus trees and resulting in an economic depression that lasted several years (McAvoy 2000, p. 4).

The 1920s brought multiple changes to the town, including the construction of more packing houses and the Zimmerman Addition, which added the area north of the Santa Fe right-of-way to Highland's territory. A series of disasters hit the area in the 1930s, including multiple fires that destroyed packing houses and the Highland Orange Association building. By this time Highland's identity as a closely knit citrus community began to change due to outside influences. The popularity of the automobile led to fewer people using the railroads for passenger travel. In July 1936, Pacific Electric discontinued passenger service on the Highland branch line (McAvoy 2000, pp. 4–5).

The 1940s brought a period of change to the area, including suburbanization, with citrus groves replaced by housing tracts. As the United States entered World War II, the U.S. Army Air Corps established a training center just south of the present-day City in 1941. Following the attack on Pearl Harbor, the training center's role shifted and it became a fighter plane mobilization point to defend the City of Los Angeles in the event of an attack. In 1942, the training center was named San Bernardino Army Airfield. After the war, in 1950, it was renamed Norton Air Force Base (Beattie 1994, 2004; McAvoy 2000, p. 5).

After World War II, a postwar population boom affected not only Highland but much of the Los Angeles Basin, resulting in citrus packing houses closing because of losing their supporting orchards to suburban development. Packing houses were converted to light industrial uses as housing tracts continued to replace the citrus groves. The Pacific Electrical Railway discontinued service in 1953, resulting in the removal of its tracks. The Santa Fe Railroad eventually followed suit, abandoning its Highland line in the early 1980s (Beattie 1994, 2004; McAvoy 2000, p. 5).

In the 1980s the Highland Chamber of Commerce pushed for the formation of the City of

Highland, which was incorporated on November 24, 1987. The City area included 32,300 acres, with a population of approximately 34,439 in 1990. In 1994, San Bernardino Army Airfield closed and was redeveloped into the San Bernardino International Airport. By 2000, Highland had been transformed from a small agricultural town to a city surrounded by a large urban area. The City's population in 2010 was recorded at 53,104, a 19% increase from 2000. The City is generally divided into two regions by State Route (SR) 210, East Highland, and Highland (Beattie 1994, 2004; McAvoy 2000, p. 5).

History of the Site

The site is located in the City of Highland to the west of SR-210 in a neighborhood called Cypress. In the first available aerial photographs of the site, from 1930 and 1938, the surrounding area along Victoria Avenue and 3rd Street is dominated by widely dispersed residential properties, undeveloped land, and agricultural land. The site appears predominantly as open, undeveloped land with a natural watercourse to the southeast. The agricultural use throughout Highland remained relatively unchanged until the 1950s, which brought a period of suburbanization as citrus groves were replaced by housing tracts to the north of the site. Approximately 0.3 miles south of the site, south of 3rd Street, was the development of San Bernardino International Airport. By the late 1970s, the majority of the open lots and agricultural land were redeveloped with residential housing tracts (Exhibit 1). The site has remained largely open, with residences that line 3rd Street, open land to the east and west, and a water tower and development of industrial warehouses located south of 3rd Street (NETR 2022; UCSB 2022).

26530 3rd Street

There is a single-family residence currently on 26530 3rd Street (APN 1192-551-04). According to the San Bernardino County Assessor, the residence was constructed in 1948. The property has been used for residential to commercial uses since its construction. The earliest available newspaper article for the property is from 1958 and advertises it as Lambert's Cleaners laundry service. Archival research yielded little information regarding Lambert's Cleaners. By 1968, historic aerials show an addition to the north and south elevations of the building. By 1974, the property appeared to be a residence, as corroborated by a local newspaper article that indicates Daniel Seasholtz resided there. By 1980, historic aerial images indicate an addition was made to the southwest corner of the building, with a hipped roof projection. The property changed use from the Seasholtz residence to a commercial business in 1983. It was advertised in local newspapers as Parker's Air Conditioning and Heating. Historic newspaper research yielded no additional information regarding Parker's Air Conditioning and Heating. The building underwent multiple alterations and additions over the years. By 2005, historic aerial images indicate the hipped roof projection at the southwest corner of the building had been reroofed with red clay tiles. By 2009, the building's footprint had expanded along the east elevation. By 2014, an alteration had taken place on the south elevation of the building (SBCS 1958, p. 3; 1974, p. 8; 1983, p. 19; NETR 2022; UCSB 2022).

Mr. Seasholtz was the first known resident of the building. He resided at the property in 1974. Before 1974, and between 1974 and 1994, the owner and residents of the property are unknown. The next known owners of the property were Jack and Fern Patrick, who purchased the property in 1994. In 1998, Stanton and Joyce Weber purchased the property and remained owners until 2003, when Kimberley Zilke and Patrick Grove took ownership. In 2005, Hanhsing Li bought the property and remained the sole owner until 2022, when Patriot USICVI 5th Street LLC took ownership of the property. Archival research yielded no substantial information regarding Mr. Seasholtz, Mr. and Ms. Patrick, Mr. and Ms. Weber, Ms. Zilke, Mr. Grove, or Hanhsing Li. The property's use has changed from commercial to residential

over the years. (San Bernardino County Assessor 2022a; SBCS 1958, p. 3; 1974, p. 8; NETR 2022; UCSB 2022).

26530 3rd Street (APN 1192-551-04): NRHP/CRHR Evaluation of Significance

The property at 26530 3rd Street (APN 1192-551-04) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an existing historic district, as demonstrated below.

Criterion A/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Archival research of the property at 26530 3rd Street (APN 1192-551-04) did not find any associations with events that have made a significant contribution to the broad patterns of history. The property was completed in 1948, during a time when Highland was expanding in size and the economy was based on agriculture, primarily dependent on the citrus industry. Despite the property reflecting Highland's growth west of SR-210 during the 1940s, there is no indication that the construction of this specific building marked a pivotal point in the history of the neighborhood or the City. In 1958, the property was advertised in local newspapers as a laundry cleaning business, Lambert's Cleaners. By 1974, the property appears to have changed in use from a commercial building to a residence. Then in 1983, the property appears to have been changed back to commercial uses as Parker's Air Conditioning and Heating. After 1983, the property's function changed again to a residence. The property was never associated with an important aspect of commercial business in the area. In addition, the property was neither the first nor the last single-family residence in the area, as it changed function and followed a continuous pattern of residential development that continued through the 1990s. The property is close to the San Bernardino Airport; however, there is no indication that the property was historically related to the airport or its development. The property is not known to be directly associated with other events that have made a significant contribution to the history of Highland; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2, the property has to be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research failed to indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and the 26530 3rd Street (APN 1192-551-04) property. The earliest ownership information identified indicated that Daniel Seasholtz owned the property by 1974. Archival research yielded no information regarding Mr. Seasholtz. Before 1974, and between 1974 and 1994, the owner of the property was unknown. Other known owners based on information available from the San Bernardino County Recorder-Clerk's office include Jack and Fern Patrick, Stanton and Joyce Weber, Kimberley Zilke, Patrick Grove, and Hanhsing Li. Research did not reveal any reason to believe that any individuals associated with the property are persons of historic significance. Due to a lack of identified significant associations with important persons in history, the property does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The 26530 3rd Street (APN 1192-551-04) property contains one historic-age building, a single-family residence built in 1948. The 1948 residence does not reflect an architectural style, type, period, or method of construction. The building is substantially altered due to large-scale additions and material alterations to the doors, windows, and roofing. The building no longer can be said to "embody the distinctive characteristics of a type, period, or method of construction." Archival research did not uncover that the building was the work of a master architect or builder. The building also does not possess high artistic value and is not representative of a significant and distinguishable entity whose components may lack individual distinction. Because the building at 26530 3rd Street (APN 1192-551-04) lacks architectural merit due to numerous alterations and additions, the property does not appear eligible for the NRHP under Criterion C or CRHR under Criterion 3.

Criterion D/4: That have yielded, or may be likely to yield, information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeological resources. The buildings on 26530 3rd Street (APN 1192-551-04) are not significant under Criterion D of the NRHP or Criterion 4 of the CRHR as a source, or likely source, of important historical information, nor do they appear likely to yield important information about historic construction methods, materials or technologies.

Integrity Discussion

The 26530 3rd Street (APN 1192-551-04) property contains one building, which has not been moved or relocated, therefore, the property maintains integrity of location. The property does not maintain integrity of setting, as the surrounding neighborhood and streetscape have been altered significantly since the 1948 building was constructed. At the time of its construction, the surrounding area was agricultural with sparse, small homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing; therefore, the property no longer retains integrity of setting. Significant alterations and additions to the building on have substantially impacted integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to numerous alterations to the building on the property, changes in use, and the loss of its original agricultural setting. can no longer convey its historic sense of a particular period. Finally, the property does not have any historical associations with people or events and therefore it does not have integrity of association. Therefore, the 26530 3rd Street (APN 1192 551-04) property does not retain integrity.

City of Highland Statement of Significance

26530 3rd Street (APN 1192-551-04) property does not meet any of the criteria for listing by the City of Highland, as demonstrated below.

A It exemplifies or reflects special elements of the city's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.

As discussed in NRHP/CRHR Criterion A/1, archival research did not discover that the property was related to historical events significant to the City of Highland and does not reflect special elements of the City's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.

B It is identified with persons or events significant in local, state, or national

history.

As discussed in NRHP/CRHR Criterion B/2, archival research did not discover that the property was the location of any significant historical events or associated with an important person in the City of Highland, California, or United States.

C It embodies distinctive characteristics of a style, type, period, or method of construction, or is a valuable example of the use of indigenous materials or craftsmanship.

As discussed in NRHP/CRHR Criterion C/3, the building identified on the property does not exemplify a particular architectural style, type, or period of construction important to the City. The historic-age building has been significantly altered and there are better, more intact examples of buildings from the late 1940s throughout the City. Additionally, due to the date of construction of the building on the property (1948), it is unlikely to be a valuable example of the use of indigenous materials or craftmanship.

D It is representative of the work of a notable builder, designer, or architect.

As discussed in NRHP/CRHR Criterion C/3, archival research did not uncover that the building on the property was identified with a builder, designer, or architect whose work could be considered notable within the City of Highland.

E It contributes to the significance of an historic area, being a geographically definable area possessing a concentration of historic or scenic properties or thematically related grouping of properties which contribute to each other and are unified aesthetically by plan or physical development.

The property does not contribute to the significance of a historic area nor is it thematically related to a group of properties that contribute to each other and are unified aesthetically. The area surrounding has been altered significantly since the construction of the 1948 building. At the time of its construction, the surrounding area was agricultural with small, widely dispersed homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing. The historic area that the property originally was a part of is no longer extant.

F It has a unique location or singular physical characteristics or is a view or vista representing an established and familiar visual feature of a neighborhood, community, or the city of Highland.

The building does not present a unique location or singular physical characteristics, nor is the property a view or vista representing an established and familiar visual feature of a neighborhood, community, or the City of Highland. The building on the property has been heavily altered and therefore does not possess unique characteristics. Additionally, the property does not display a view or vista establishing a familiar visual feature due to multiple changes in use, alterations, and new additions to the building on the property.

G It embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.

As discussed in NRHP/CRHR Criterion C/3, the building has substantial material alterations and additions, and no longer embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.

H It is similar to other distinctive properties, sites, areas, or objects based on a historic, cultural, or architectural motif.

The property does not possess similar characteristics to properties, sites, areas, or objects based on a historic, cultural, or architectural motif. Due to multiple large-scale alterations and additions to the building on the property since its construction, there are no distinctive characteristics that can relate it to other properties within the City of Highland.

I It reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning.

The building does not reflect significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning. Due to multiple large-scale alterations and additions to the building on the property since its construction, it can no longer be associated with different eras of settlement and growth in the City of Highland.

J It is one of the few remaining examples in the city, region, state, or nation possessing distinguishing characteristics of an architectural or historical type of specimen.

The property does not represent one of the few remaining examples in the city, region, state, or nation possessing distinctive characteristics of an architectural historical type of specimen. The building on the property has undergone multiple large-scale alterations and additions, and therefore no longer possesses distinctive characteristics of such a type.

Exhibit 1. Historic aerial comparison of the Project site from 1959 (left) and 1984 (right), with the Project site outlined in red



Source: NETR 2022, 1959 and 1984.

***B12. References:**

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State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #_____
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings_____
Review Code Reviewer Date

Page 1 **of** 13 ***Resource Name or #:** (Assigned by recorder) 26540 3rd Street
P1. Other Identifier:_____

*P2. **Location:** ☐ **Not for Publication** ☒ **Unrestricted**
*a. **County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
*b. **USGS 7.5' Quad** Redlands, CA **Date** 1996 (1999 ed.) **T** 1S; **R** 3W; **of** **of Sec** 5; San Bernardino **B.M.**
c. Address 26540 3rd Street City Highland, CA Zip 93246
d. UTM: (Give more than one for large and/or linear resources) Zone 11S , 479226 mE/ 3774060 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
APN: 1192-551-05-00

***P3a. Description**: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The building, Las Potrillas Bar/Cantina and Nightclub, is L-shaped in plan and one story in height. The building is utilitarian, with no architectural style, with a flat roof at the south half and a shed roof at the north half of the building. The building's exterior walls are clad in stucco. The building's main (south) elevation displays a raised, flat parapet lined with red clay tiles. The building lacks window fenestration openings. The east elevation displays a replacement door under an addition of a shingled awning.

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single-family property

***P4. Resources Present:** ☒Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☐Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #):
View facing north, Photo # IMG 2528

***P6. Date Constructed/Age and Source:** ☒ Historic ☐Prehistoric ☐ Both
1948 (ParcelQuest)

***P7. Owner and Address:**
Patriot USICVI 5th Street LLC
12126 W Sunset Blvd
Los Angeles, CA 90044

***P8. Recorded by**: (Name, affiliation, and address) [name, last name],
Caitlin Greeley, Dudek
38 N. Marengo Avenue
Pasadena, CA 91101

***P9. Date Recorded:**
12/1/2022

***P10. Survey Type:** (Describe)
Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Dudek. 2022. Dudek. 2022. Historical Resources Technical Report for 5th Street and Victoria Avenue Warehouse Project, City of Highland, California.

*Attachments: ☐NONE ☒Location Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI# _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 26540 3rd Street ***NRHP Status Code** 6Z

B1. Historic Name: 26540 3rd Street
B2. Common Name: 26540 3rd Street
B3. Original Use: Commercial B4. Present Use: Restaurant/Nightclub
***B5. Architectural Style:** N/A
***B6. Construction History:** (Construction date, alterations, and date of alterations)

See continuation sheet.

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** _____ **Original Location:** _____
***B8. Related Features:**

B9a. Architect: unknown b. Builder: unknown
***B10. Significance: Theme** N/A **Area** N/A
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The property at 26540 3rd Street (APN 1192-551-05-00) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an existing historic district. The property at 26540 3rd Street (APN 1192-551-05-00) does not meet any of the criteria for listing by the City of Highland.

B11. Additional Resource Attributes: (List attributes and codes) _____
***B12. References:**

See continuation sheet.

B13. Remarks:

***B14. Evaluator:** Caitlin Greeley, MA
***Date of Evaluation:** 12/1/2022

(Sketch Map with north arrow required.)



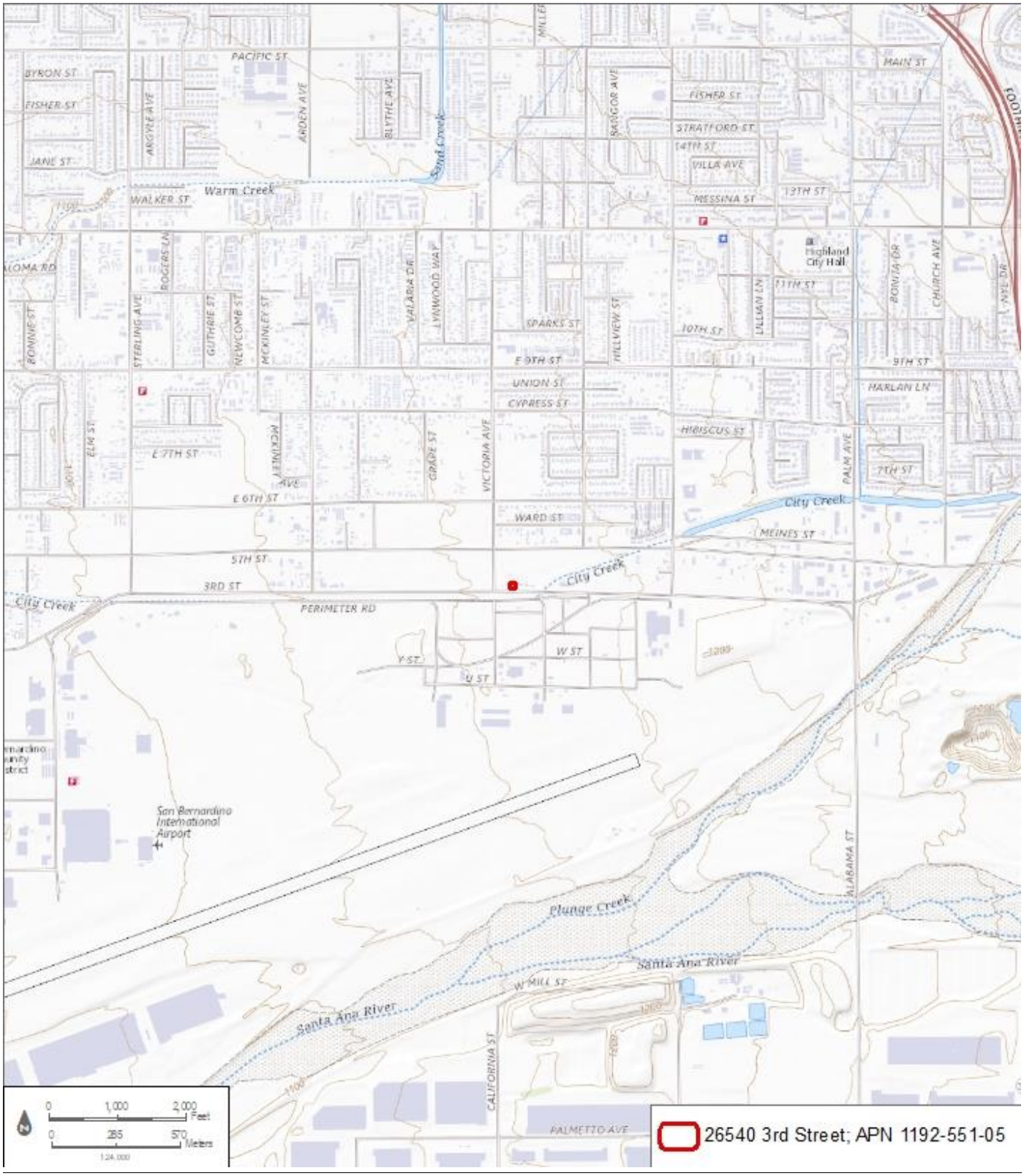
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

Page 3 **of** 13 ***Resource Name or #** (Assigned by recorder) 26540 3rd Street
***Map Name:** Redlands, CA ***Scale:** 1:24000 ***Date of map:** 1996 (1999 ed.)



*B6. Construction History (continued):

The following list of known alterations to the nightclub was compiled through archival research and during the course of the intensive survey:

- Unknown date – Replacement door, east elevation
- Unknown date – Reroofing of north half of building
- Unknown date – Shingled awning added, west elevation
- Circa 1968 – Addition to north elevation (NETR 2022)
- Circa 1980 – Addition to north and west elevations (NETR 2022)
- Circa 2005 – Reroofing with red clay tiles (NETR 2022)
- Circa 2009 – Alteration to roof (NETR 2022)

*B10. Significance (continued):

Historical Overview of the City of Highland

The City of Highland's settlement began in 1856 when John Henry Cram and six of his eight sons established a settlement known as Cramville, located in the northeast section of modern-day subdivision The Village Lakes at 5th Street and Orange Street. Cram and his family were the first known white settlers in the area. Cram and fellow settler Frederick Van Leuven constructed a ditch in 1858 to bring water from the Santa Ana River to their lands in East Highland. The ditch ran from City Creek into the present site of the City of Highland. In 1857, Henry Rabel, a German immigrant, purchased 40 acres along what is now Base Line Street, west of Victoria Avenue. Rabel purchased 80 additional acres in 1859, which became Rabel Springs, so named for the large pond and natural thermal wells located on the land. Rabel capitalized on the medicinal quality of the springs and constructed bathhouses and an 11-room hotel for tourists. The area became popular as a recreation spot and in 1887, Harlem Springs was developed east of Victoria Avenue. Harlem Springs included a swimming pool, bathhouses, an entertainment hall, and picnic grounds. This led to multiple civic improvements, including the area's first County road in 1860, Santa Ana Canyon Road (now West 5th Street) (Beattie 1994, 2004; San Bernardino Public Library 2022).

The area that became the City of Highland was developed as separate settlements. This included Messina in 1873 at Base Line Avenue and Palm Avenue. Messina's location was approximately the midpoint of the emerging towns and as a result, it became the commercial center. Buildings were constructed for private businesses, soon followed by a post office and grocery store. The first school district was formed in Cramville in 1869 and with its rising population, Messina formed a district named Highland soon after. This was the first formal use of the name Highland. Before this, the whole area was referred to as the Highlands because of the altitude and proximity to the foothills of the San Bernardino Mountains. In 1885, the Santa Fe Railroad (California Southern Railway) constructed a new line through the Cajon Pass, connecting San Bernardino to the rest of the state. Rail line expansion began soon after, with prominent people in Redlands raising $42,750 to purchase rights-of-way and depot grounds connecting San Bernardino to Redlands, which was soon expanded to Mentone. Local railroad officials thought a loop from Mentone back to San Bernardino would be most efficient by way of the present-day City of Highland. Although the community was not yet officially incorporated as a city, the name "Highland" was used for the train depot and became the preferred identifier for the community. In January 1892, the loop of the "Kite Shaped Track" was finished as a 158-mile-long figure 8 from

the Santa Fe yards in Los Angeles east to Mentone and back. The line offered both freight and passenger services and opened San Bernardino County for more land development and settlement (Beattie 1994, 2004).

The presence of the railroad not only brought more people to the area but new industries and commercial opportunities as well. By the early 1880s, agricultural development was increasing with the planting of citrus orchards throughout Highland and San Bernardino County. Citrus was considered a high-value crop and required well-drained upland soils. This led to the construction of the North Fork Ditch in 1881, which diverged from the Cram–Van Leuven Ditch and ran west along the mountains. The dependable water supply stimulated agricultural development and production. Citrus groves were present in the area starting in 1857, but it was not until the Washington navel orange was introduced in 1873 that citrus farming became the leading industry. Between 1881 and 1892, over a thousand acres of citrus were planted in Highland. The railroad also brought the fruit packing and lumber industries to the area; meanwhile, the area remained dependent on the citrus industry (McAvoy 2000, p. 2).

At the turn of the twentieth century, Highland's growth had accelerated with the construction of a library, community hall, packing houses, a new business building on Palm Avenue, and many new residences. Highland and downtown San Bernardino were connected in 1903 with the establishment of the Bernardino Valley Traction Company's electric railway line. The local economy, still dependent on the citrus industry, fluctuated based on how well the industry did. In 1913, a freeze hit Southern California, killing many citrus trees and resulting in an economic depression that lasted several years (McAvoy 2000, p. 4).

The 1920s brought multiple changes to the town, including the construction of more packing houses and the Zimmerman Addition, which added the area north of the Santa Fe right-of-way to Highland's territory. A series of disasters hit the area in the 1930s, including multiple fires that destroyed packing houses and the Highland Orange Association building. By this time Highland's identity as a closely knit citrus community began to change due to outside influences. The popularity of the automobile led to fewer people using the railroads for passenger travel. In July 1936, Pacific Electric discontinued passenger service on the Highland branch line (McAvoy 2000, pp. 4–5).

The 1940s brought a period of change to the area, including suburbanization, with citrus groves replaced by housing tracts. As the United States entered World War II, the U.S. Army Air Corps established a training center just south of the present-day City in 1941. Following the attack on Pearl Harbor, the training center's role shifted and it became a fighter plane mobilization point to defend the City of Los Angeles in the event of an attack. In 1942, the training center was named San Bernardino Army Airfield. After the war, in 1950, it was renamed Norton Air Force Base (Beattie 1994, 2004; McAvoy 2000, p. 5).

After World War II, a postwar population boom affected not only Highland but much of the Los Angeles Basin, resulting in citrus packing houses closing because of losing their supporting orchards to suburban development. Packing houses were converted to light industrial uses as housing tracts continued to replace the citrus groves. The Pacific Electrical Railway discontinued service in 1953, resulting in the removal of its tracks. The Santa Fe Railroad eventually followed suit, abandoning its Highland line in the early 1980s (Beattie 1994, 2004; McAvoy 2000, p. 5).

In the 1980s the Highland Chamber of Commerce pushed for the formation of the City of

Highland, which was incorporated on November 24, 1987. The City area included 32,300 acres, with a population of approximately 34,439 in 1990. In 1994, San Bernardino Army Airfield closed and was redeveloped into the San Bernardino International Airport. By 2000, Highland had been transformed from a small agricultural town to a city surrounded by a large urban area. The City's population in 2010 was recorded at 53,104, a 19% increase from 2000. The City is generally divided into two regions by State Route (SR) 210, East Highland, and Highland (Beattie 1994, 2004; McAvoy 2000, p. 5).

History of the Site

The site is located in the City of Highland to the west of SR-210 in a neighborhood called Cypress. In the first available aerial photographs of the site, from 1930 and 1938, the surrounding area along Victoria Avenue and 3rd Street is dominated by widely dispersed residential properties, undeveloped land, and agricultural land. The site appears predominantly as open, undeveloped land with a natural watercourse to the southeast. The agricultural use throughout Highland remained relatively unchanged until the 1950s, which brought a period of suburbanization as citrus groves were replaced by housing tracts to the north of the site. Approximately 0.3 miles south of the site, south of 3rd Street, was the development of San Bernardino International Airport. By the late 1970s, the majority of the open lots and agricultural land were redeveloped with residential housing tracts (Exhibit 1). The site has remained largely open, with residences that line 3rd Street, open land to the east and west, and a water tower and development of industrial warehouses located south of 3rd Street (NETR 2022; UCSB 2022).

26540 3rd Street

There is one commercial building currently on 26540 3rd Street (APN 1192-551-05), which was built in 1948 according to the San Bernardino County Assessor and confirmed in historic aerial photographs from 1938 and 1959. The 1968 historic aerial image shows an addition to the north elevation of the building. In 1980, an addition had taken place to the north and west elevations. In 2005, the building had been reroofed with red clay tiles. In 2009, further alterations to the roof had taken place (NETR 2022; UCSB 2022).

Archival research revealed no information regarding the original owners of the property. In 1957, the property was advertised in local newspapers as a café for lease, a "restaurant ready for operation" (SBCS 1957, p. 20). In 1976, Sherry Lane Jackson had a fictitious business at 26540 3rd Street called "Rollin' Guitars" (SBCS 1976, p. 27). Historic newspaper research revealed no information about Ms. Jackson. In 1977, the property was advertised as "Sarge's" and was sold to George E. Gibson and Josephine P. Gibson to run their business, "Gibson's Innlocated" (SBCS 1977, p. 26; 1978, p. 38). Archival research yielded no information regarding Sarge's or Gibson's Innlocated. In 1978, Bonnie B. Thomas purchased the property from the Gibsons. No information regarding Bonnie. B. Thomas was found. In 1988, the property was advertised again as "Sarge's," with an advertisement looking for a bartender for the restaurant (SBCS 1988, p. 37). After 1988, the property became Las Potrillas Bar/Cantina and Nightclub. The owner of the property between 1978 and 1991 is unknown. Magdalena Mitchelle purchased the property in 1991. Historic newspaper research yielded no substantial information regarding Ms. Mitchelle. Additionally, historic research yielded no substantial information regarding any of the following owners of the property between 1999 and 2022: Mr. and Mrs. Haro, Ms. Galicia, Ms. Lopez, Mr. Kaminski, Ms. Kaminski, Ms. Gaitan-Hahn, Morley Family Trust, Jeffrey A. Abraham Living Trust, or Hanhsing Li (San Bernardino County Assessor 2022b; SBCS 1978, p. 38; NETR 2022; UCSB 2022).

26540 3rd Street (APN 1192-551-05-00): NRHP/CRHR Evaluation of Significance

The property at 26540 3rd Street (APN 1192-551-04) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an existing historic district, as demonstrated below.

Criterion A/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Archival research of the property at 26540 3rd Street (APN 1192-551-05) did not find any associations with events that have made a significant contribution to the broad patterns of history. The property was completed in 1948, during a time when Highland was expanding in size and the economy was based on agriculture, primarily dependent on the citrus industry. Despite the property reflecting Highland's growth west of SR-210 during the 1940s, there is no indication that the construction of this specific building marked a pivotal point in the history of the neighborhood or city. In the 1950s, the property was advertised in local newspapers as a café for lease. After the 1950s, the property was used as Sarge's restaurant. In 1977, the property was advertised as "Sarge's," and was sold to George E. Gibson and Josephine P. Gibson to run their business, "Gibson's Innlocated." Then at an unknown date after 1988, the property became Las Potrillas Bar/Cantina and Nightclub. The property was neither the first nor the last commercial building in the area and followed a continuous pattern of development. The property is located close to the San Bernardino Airport; however, there is no indication that the property was historically related to the airport or its development. The property is not known to be directly associated with any other events that have made a significant contribution to the history of Highland; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2, the property has to be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research failed to indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and the 26540 3rd Street (APN 1192-551-05) property. The earliest ownership information identified indicated that Sherry Lane Jackson owned the property by 1976. Archival research yielded no information regarding Ms. Jackson. The following year, in 1977, the property was sold to George E. Gibson and Josephine P. Gibson. The Gibsons sold the property to Bonnie B. Thomas in 1978. No historic information regarding Mr. or Mrs. Gibson or Ms. Thomas was found. The property's owners between 1978 and 1991 are unknown. Other known owners based on information available from the San Bernardino County Recorder-Clerk's office include Magdalena Mitchelle, Jose and Israel A. Haro, Arcelia Galicia, Maria E. Lopez, Greg Kaminski, Susan Kaminski, Patricia Gaitan-Hahn, Morley Family Trust, Jeffrey A. Abraham Living Trust, Agustin J. Dorado, and Hanhsing Li. Research did not reveal any reason to believe that any individuals associated with the property are persons of historic significance. Due to a lack of identified significant associations with important persons in history, the property does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may

lack individual distinction.

The property at 26540 3rd Street (APN 1192-551-05) property contains one historic-age building, a commercial building built in 1948. The 1948 building does not possess the character-defining features of an architectural style. The building is substantially altered due to large-scale additions and material alterations to the doors and roofing. The building no longer can be said to "embody the distinctive characteristics of a type, period, or method of construction." Archival research did not uncover that the building was the work of a master architect or builder. The building also does not possess high artistic value and is not representative of a significant and distinguishable entity whose components may lack individual distinction. Because the building at 26540 3rd Street (APN 1192 551-05) lacks architectural merit due to numerous alterations, the property does not appear eligible for the NRHP under Criterion C or the CRHR under Criterion 3.

Criterion D/4: That have yielded, or may be likely to yield, information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeological resources. The building on 26540 3rd Street (APN 1192-551-05) is not significant under Criterion D of the NRHP or Criterion 4 of the CRHR as a source, or likely source, of important historical information nor does it appear likely to yield important information about historic construction methods, materials, or technologies.

Integrity Discussion

The 26540 3rd Street (APN 1192-551-05) property contains one building, which has not been moved or relocated; therefore, the property maintains integrity of location. The property does not maintain integrity of setting, as the surrounding neighborhood and streetscape have been altered significantly since the 1948 building was constructed. At the time of its construction, the surrounding area was agricultural, with small, widely dispersed homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing; therefore, the property no longer retains integrity of setting. Significant alterations to the building on the property have substantially impacted integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to numerous alterations to the building on the property and the loss of its original agricultural setting. The property can no longer convey its historic sense of a particular period. Finally, the property does not have any historical associations with people or events; therefore, it does not have integrity of association. Therefore, the 26540 3rd Street (APN 1192-551-05) property does not retain integrity.

City of Highland Statement of Significance

The 26540 3rd Street (APN 1192-551-05) property does not meet any of the criteria for listing by the City of Highland, as demonstrated below.

A It exemplifies or reflects special elements of the city's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.

As discussed in NRHP/CRHR Criterion A/1, archival research did not discover that the property was related to historical events significant to the City of Highland and does not reflect special elements of the City's cultural, social, economic, political,

aesthetic, engineering, architectural, or natural history.

B It is identified with persons or events significant in local, state, or national history.

As discussed in NRHP/CRHR Criterion B/2, archival research did not discover that the property was the location of any significant historical events or associated with an important person in the City of Highland, California, or United States.

C It embodies distinctive characteristics of a style, type, period, or method of construction, or is a valuable example of the use of indigenous materials or craftsmanship.

As discussed in NRHP/CRHR Criterion C/3, the building identified on the property does not exemplify a particular architectural style, type, or period of construction important to the City. The historic-age building is significantly altered and there are better, more intact examples of buildings from the late 1940s throughout the City. Additionally, due to the date of construction of the building on the property (1948), it is unlikely to be a valuable example of the use of indigenous materials or craftsmanship.

D It is representative of the work of a notable builder, designer, or architect.

As discussed in NRHP/CRHR Criterion C/3, archival research did not uncover that the building on the property was identified with a builder, designer, or architect whose work could be considered notable within the City of Highland.

E It contributes to the significance of an historic area, being a geographically definable area possessing a concentration of historic or scenic properties or thematically related grouping of properties which contribute to each other and are unified aesthetically by plan or physical development.

The property does not contribute to the significance of a historic area nor is it thematically related to a group of properties that contribute to each other and are unified aesthetically. The area surrounding the property has been altered significantly since the construction of the 1948 commercial building. At the time of its construction, the surrounding area was agriculturally based with small, widely dispersed homesteads. By the 1970s, the majority of these agricultural properties were replaced with tracts of single-family residential housing. The historic area that originally was a part of is no longer extant.

F It has a unique location or singular physical characteristics or is a view or vista representing an established and familiar visual feature of a neighborhood, community, or the city of Highland.

The building does not present a unique location or singular physical characteristics, nor is the property a view or vista representing an established and familiar visual feature of a neighborhood, community, or the City of Highland. The building on the property has been altered and therefore does not possess unique characteristics. Additionally, the property does not display a view or vista establishing a familiar visual feature due to new additions to the building on the property.

G It embodies elements of architectural design, detail, materials, or craftsmanship

that represent a significant structural or architectural achievement or innovation.
As discussed in NRHP/CRHR Criterion C/3, the property has substantial additions and material alterations and no longer embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.

H It is similar to other distinctive properties, sites, areas, or objects based on a historic, cultural, or architectural motif.

The property does not possess similar characteristics to other properties, sites, areas, or objects based on a historic, cultural, or architectural motif. Due to large-scale additions and alterations to the building on the property since its construction, there are no distinctive characteristics that can relate it to other properties within the City of Highland.

I It reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning.

The building does not reflect significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning. Due to large-scale additions and alterations to the building on the property since its construction, it can no longer be associated with different eras of settlement and growth in the City of Highland.

J It is one of the few remaining examples in the city, region, state, or nation possessing distinguishing characteristics of an architectural or historical type of specimen.

The property does not represent one of the few remaining examples in the city, region, state, or nation possessing distinctive characteristics of an architectural historical type of specimen. The building on the property has undergone large-scale alterations and additions, and therefore no longer possesses distinctive characteristics of such a type.

Exhibit 1. Historic aerial comparison of the Project site from 1959 (left) and 1984 (right), with the Project site outlined in red



Source: NETR 2022, 1959 and 1984.

***B12. References:**

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State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #_____
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings_____
Review Code Reviewer Date

Page 1 **of** 13 ***Resource Name or #:** (Assigned by recorder) 26530 3rd Street
P1. Other Identifier:_____

*P2. **Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Redlands, CA **Date** 1996 (1999 ed.) **T** 1S; **R** 3W; **of of Sec** 5; San Bernardino **B.M.**
c. Address 26562 3rd Street City Highland Zip 92346
d. UTM: (Give more than one for large and/or linear resources) Zone 11S , 479279 mE/ 3774063 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)
APN: 1192-551-07

***P3a. Description**: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The Project site's eastern end (Parcel 3) contains a one-story residence, a one-story utilitarian garage, and a one-story utilitarian shed that has been partially destroyed by fire. The residence has an irregular plan with a side-gabled roof and exterior walls clad in stucco. The residence is utilitarian, with no architectural style. Fenestration includes an irregular arrangement of aluminum sliding windows on all elevations and replacement doors on the primary and rear elevations. An addition of a metal awning extends out from the side (west) elevation. *See continuation sheet.*

***P3b. Resource Attributes:** (List attributes and codes) HP2. Single-family property; HP4. Ancillary Building

***P4. Resources Present:** ☒Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☐Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #):
View facing north, Photo # IMG 2532.

***P6. Date Constructed/Age and Source:** ☒ Historic ☐Prehistoric ☐ Both
1940 (ParcelQuest)

***P7. Owner and Address:**
Patriot USICVI 5th Street LLC
12126 W Sunset Blvd
Los Angeles, CA 90044

***P8. Recorded by**: (Name, affiliation, and address) [name, last name],
Caitlin Greeley, Dudek
38 N. Marengo Avenue
Pasadena, CA 91101

***P9. Date Recorded:**
12/1/2022

***P10. Survey Type:** (Describe)
Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Dudek. 2022. Dudek. 2022. Historical Resources Technical Report for 5th Street and Victoria Avenue Warehouse Project, City of Highland, California.

*Attachments: ☐NONE ☒Location Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI# _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 26562 3rd Street ***NRHP Status Code** 6Z

B1. Historic Name: 26562 3rd Street

B2. Common Name: 26562 3rd Street

B3. Original Use: Single-family residence B4. Present Use: Single-family residence

***B5. Architectural Style:** N/A

***B6. Construction History:** (Construction date, alterations, and date of alterations)

See continuation sheet.

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** _____ **Original Location:** _____

***B8. Related Features:**

B9a. Architect: unknown b. Builder: unknown

***B10. Significance: Theme** N/A **Area** N/A

Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The property at 26562 3rd Street (APN 1192-551-07) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an existing historic district. The property at 26562 3rd Street (APN 1192-551-07) does not meet any of the criteria for listing by the City of Highland.

B11. Additional Resource Attributes: (List attributes and codes) _____

***B12. References:**

See continuation sheet.

B13. Remarks:

***B14. Evaluator:** Caitlin Greeley, MA

***Date of Evaluation:** 12/1/2022

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

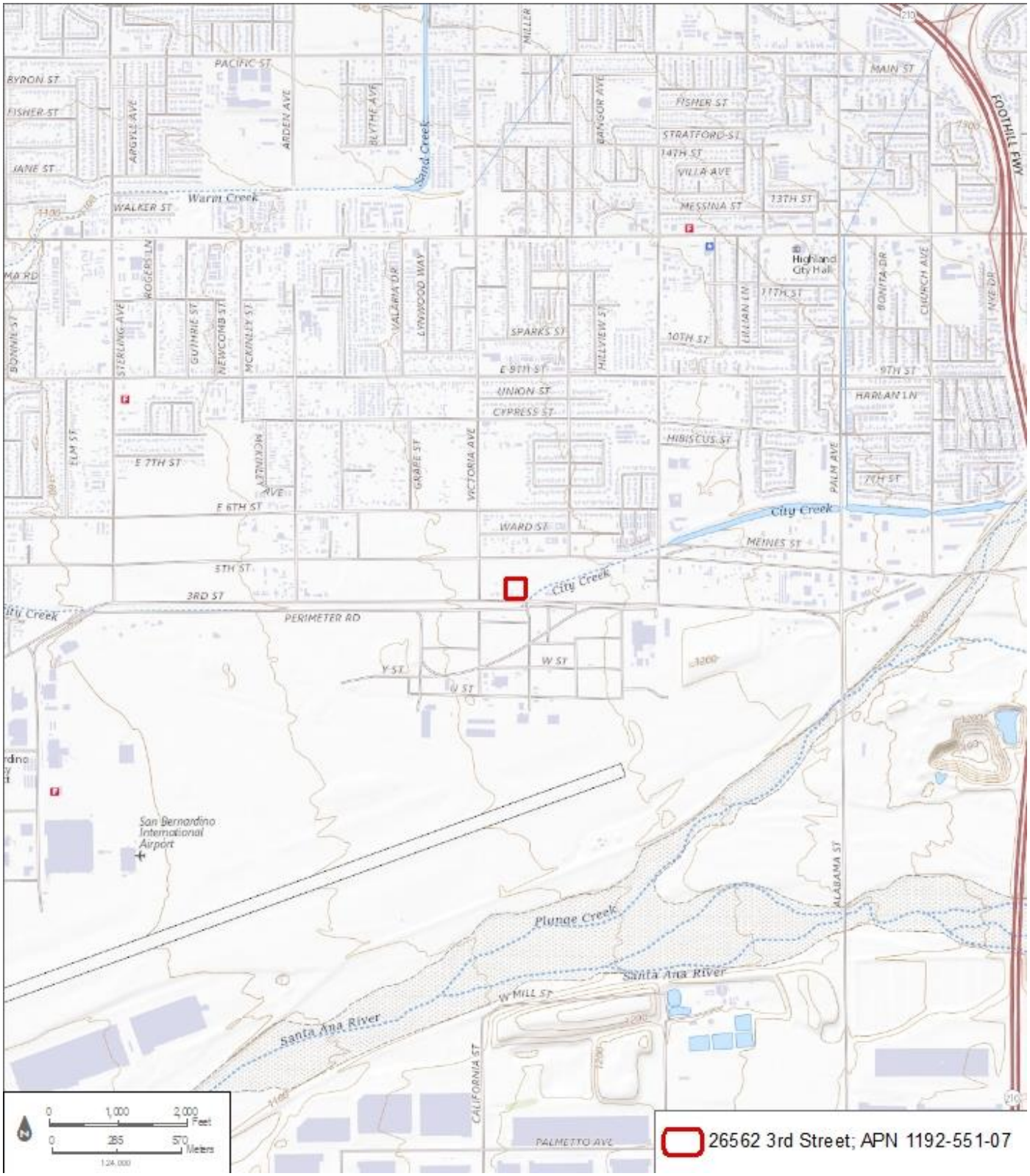
LOCATION MAP

Primary #
HRI#
Trinomial

Page 3 **of** 13

***Resource Name or #** (Assigned by recorder) 26562 3rd Street

***Map Name:** Redlands, CA ***Scale:** 1:24000 ***Date of map:** 1996 (1999 ed.)



***P3a. Description (continued):**

East of the residence is a partially destroyed garage with a hipped roof and stucco cladding. The building has a square plan and an irregular arrangement of two garage door openings and one window opening on the primary (south) elevation. Fenestration openings are covered with plywood. East of the garage is a front-gabled, partially destroyed shed with corrugated metal cladding and no fenestration openings present; only structural beams are visible. The shed appears to have been partially destroyed by fire. East of the shed, a rectangular concrete foundation and corrugated metal pieces appear to be remnants of buildings destroyed by fire in 2022 (Exhibit 1).

***B6. Construction History (continued):**

The following list of known alterations to the buildings was compiled through archival research and during the course of the intensive survey:

- Unknown date – Replacement doors, south and north elevation
- Unknown date – Replacement windows, all elevations
- Unknown date – Metal awning addition, west elevation
- Unknown date – Reroofing of the residence
- Circa 1980 – Addition to east elevation of garage (NETR 2022)
- Circa 2010 – Alteration to east elevation of garage (NETR 2022)
- Circa 2022 – Fire damage to two ancillary buildings, with one ancillary building destroyed by fire per visual analysis

***B10. Significance (continued):**

Historical Overview of the City of Highland

The City of Highland's settlement began in 1856 when John Henry Cram and six of his eight sons established a settlement known as Cramville, located in the northeast section of modern-day subdivision The Village Lakes at 5th Street and Orange Street. Cram and his family were the first known white settlers in the area. Cram and fellow settler Frederick Van Leuven constructed a ditch in 1858 to bring water from the Santa Ana River to their lands in East Highland. The ditch ran from City Creek into the present site of the City of Highland. In 1857, Henry Rabel, a German immigrant, purchased 40 acres along what is now Base Line Street, west of Victoria Avenue. Rabel purchased 80 additional acres in 1859, which became Rabel Springs, so named for the large pond and natural thermal wells located on the land. Rabel capitalized on the medicinal quality of the springs and constructed bathhouses and an 11-room hotel for tourists. The area became popular as a recreation spot and in 1887, Harlem Springs was developed east of Victoria Avenue. Harlem Springs included a swimming pool, bathhouses, an entertainment hall, and picnic grounds. This led to multiple civic improvements, including the area's first County road in 1860, Santa Ana Canyon Road (now West 5th Street) (Beattie 1994, 2004; San Bernardino Public Library 2022).

The area that became the City of Highland was developed as separate settlements. This included Messina in 1873 at Base Line Avenue and Palm Avenue. Messina's location was approximately the midpoint of the emerging towns and as a result, it became the commercial center. Buildings were constructed for private businesses, soon followed by a post office and grocery store. The first school district was formed in Cramville in 1869 and with its rising population, Messina formed a district named Highland soon after. This was the first

formal use of the name Highland. Before this, the whole area was referred to as the Highlands because of the altitude and proximity to the foothills of the San Bernardino Mountains. In 1885, the Santa Fe Railroad (California Southern Railway) constructed a new line through the Cajon Pass, connecting San Bernardino to the rest of the state. Rail line expansion began soon after, with prominent people in Redlands raising $42,750 to purchase rights-of-way and depot grounds connecting San Bernardino to Redlands, which was soon expanded to Mentone. Local railroad officials thought a loop from Mentone back to San Bernardino would be most efficient by way of the present-day City of Highland. Although the community was not yet officially incorporated as a city, the name "Highland" was used for the train depot and became the preferred identifier for the community. In January 1892, the loop of the "Kite Shaped Track" was finished as a 158-mile-long figure 8 from the Santa Fe yards in Los Angeles east to Mentone and back. The line offered both freight and passenger services and opened San Bernardino County for more land development and settlement (Beattie 1994, 2004).

The presence of the railroad not only brought more people to the area but new industries and commercial opportunities as well. By the early 1880s, agricultural development was increasing with the planting of citrus orchards throughout Highland and San Bernardino County. Citrus was considered a high-value crop and required well-drained upland soils. This led to the construction of the North Fork Ditch in 1881, which diverged from the Cram–Van Leuven Ditch and ran west along the mountains. The dependable water supply stimulated agricultural development and production. Citrus groves were present in the area starting in 1857, but it was not until the Washington navel orange was introduced in 1873 that citrus farming became the leading industry. Between 1881 and 1892, over a thousand acres of citrus were planted in Highland. The railroad also brought the fruit packing and lumber industries to the area; meanwhile, the area remained dependent on the citrus industry (McAvoy 2000, p. 2).

At the turn of the twentieth century, Highland's growth had accelerated with the construction of a library, community hall, packing houses, a new business building on Palm Avenue, and many new residences. Highland and downtown San Bernardino were connected in 1903 with the establishment of the Bernardino Valley Traction Company's electric railway line. The local economy, still dependent on the citrus industry, fluctuated based on how well the industry did. In 1913, a freeze hit Southern California, killing many citrus trees and resulting in an economic depression that lasted several years (McAvoy 2000, p. 4).

The 1920s brought multiple changes to the town, including the construction of more packing houses and the Zimmerman Addition, which added the area north of the Santa Fe right-of-way to Highland's territory. A series of disasters hit the area in the 1930s, including multiple fires that destroyed packing houses and the Highland Orange Association building. By this time Highland's identity as a closely knit citrus community began to change due to outside influences. The popularity of the automobile led to fewer people using the railroads for passenger travel. In July 1936, Pacific Electric discontinued passenger service on the Highland branch line (McAvoy 2000, pp. 4–5).

The 1940s brought a period of change to the area, including suburbanization, with citrus groves replaced by housing tracts. As the United States entered World War II, the U.S. Army Air Corps established a training center just south of the present-day City in 1941. Following the attack on Pearl Harbor, the training center's role shifted and it became a fighter plane mobilization point to defend the City of Los Angeles in the event of an attack. In 1942, the training center was named San Bernardino Army Airfield. After the war, in 1950, it was renamed Norton Air Force Base (Beattie 1994, 2004; McAvoy 2000, p.

5).

After World War II, a postwar population boom affected not only Highland but much of the Los Angeles Basin, resulting in citrus packing houses closing because of losing their supporting orchards to suburban development. Packing houses were converted to light industrial uses as housing tracts continued to replace the citrus groves. The Pacific Electrical Railway discontinued service in 1953, resulting in the removal of its tracks. The Santa Fe Railroad eventually followed suit, abandoning its Highland line in the early 1980s (Beattie 1994, 2004; McAvoy 2000, p. 5).

In the 1980s the Highland Chamber of Commerce pushed for the formation of the City of Highland, which was incorporated on November 24, 1987. The City area included 32,300 acres, with a population of approximately 34,439 in 1990. In 1994, San Bernardino Army Airfield closed and was redeveloped into the San Bernardino International Airport. By 2000, Highland had been transformed from a small agricultural town to a city surrounded by a large urban area. The City's population in 2010 was recorded at 53,104, a 19% increase from 2000. The City is generally divided into two regions by State Route (SR) 210, East Highland, and Highland (Beattie 1994, 2004; McAvoy 2000, p. 5).

History of the Site

The site is located in the City of Highland to the west of SR-210 in a neighborhood called Cypress. In the first available aerial photographs of the site, from 1930 and 1938, the surrounding area along Victoria Avenue and 3rd Street is dominated by widely dispersed residential properties, undeveloped land, and agricultural land. The site appears predominantly as open, undeveloped land with a natural watercourse to the southeast. The agricultural use throughout Highland remained relatively unchanged until the 1950s, which brought a period of suburbanization as citrus groves were replaced by housing tracts to the north of the site. Approximately 0.3 miles south of the site, south of 3rd Street, was the development of San Bernardino International Airport. By the late 1970s, the majority of the open lots and agricultural land were redeveloped with residential housing tracts (Exhibit 1). The site has remained largely open, with residences that line 3rd Street, open land to the east and west, and a water tower and development of industrial warehouses located south of 3rd Street (NETR 2022; UCSB 2022).

26562 3rd Street

There is one house and two ancillary buildings currently on 26562 3rd Street (APN 1192-551-07), which was built in 1940 according to the San Bernardino County Assessor and confirmed in historic aerial photographs from 1938 and 1959. The 1980 historic aerial image shows an addition to the east elevation of one of the ancillary buildings. In 1980, an alteration had also taken place to the east elevation of that same building. Until 2022, the property included a residence and three ancillary buildings. However, in 2022, per visual analysis during the intensive-level survey, one of the ancillary buildings had been destroyed by fire, and the ancillary building west of that had experienced fire damage as well. The first known owners of the property were the Parker Family Trust in 1973. Historic newspaper research yielded no substantial information regarding the Parker Family Trust. According to the San Bernardino County Recorder-Clerk's office, the family owned the property until 2007. Historic research yielded no substantial information regarding the property owners from 2007 to 2022, Mr. Villarruel and Ms. Zacarias. Table 5 lists the ownership history information available from the San Bernardino County Recorder-Clerk's office between 1973 and 2022 (San Bernardino County Assessor 2022c; NETR 2022; UCSB 2022).

26562 3rd Street (APN 1192-551-07): NRHP/CRHR Evaluation of Significance

The property at 26562 3rd Street (APN 1192-551-07) does not meet any of the criteria for listing in the NRHP or CRHR, either individually or as part of an existing historic district, as demonstrated below.

Criterion A/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

Archival research of the property at 26562 3rd Street (APN 1192-551-07) did not find any associations with events that have made a significant contribution to the broad patterns of history. The property was completed in 1940, when Highland was experiencing suburbanization, with agricultural land replaced with housing tracts, especially with the construction of the Norton Air Force Base located to the south of the property. Despite the property reflecting Highland's growth west of SR-210 in the 1940s, there is no indication that the construction of this specific residence marked a pivotal point in the history of the neighborhood or City. Although the property is located close to the San Bernardino Airport, there is no indication that the property was historically related to the airport or its development. Additionally, the property was neither the first nor the last constructed in the area, and was merely following a continuous pattern of residential development that continued through the 1990s. The property is not known to be directly associated with events that have made a significant contribution to the history of Highland, including the construction of the Air Force Base; therefore, the property does not appear eligible under NRHP Criterion A or CRHR Criterion 1.

Criterion B/2: That are associated with the lives of persons significant in our past.

To be found eligible under Criterion B/2, the property has to be directly tied to an important person and the place where that individual conducted or produced the work for which he or she is known. Archival research failed to indicate any such direct association between individuals that are known to be historic figures at the national, state, or local level and the 26562 3rd Street (APN 1192-551-07) property. The earliest ownership information identified that indicated that the Parker Family Trust owned the property by 1973. According to the San Bernardino County Recorder-Clerk's office, the family trust owned the property until 2007. Research did not reveal any reason to believe that any individuals associated with the property are persons of historic significance. Other known owners between 2007 and 2022 based on information available from the San Bernardino County Recorder-Clerk's office include Daniel Villarruel and Aurora S. Zacarias. Due to a lack of identified significant associations with important persons in history, the property does not appear eligible under NRHP Criterion B or CRHR Criterion 2.

Criterion C/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The property at 26562 3rd Street (APN 1192-551-07) property contains one historic-age building, the single-family residence, and two ancillary buildings, built in 1940. The 1940 residence does not reflect character-defining features of an architectural style due to material alterations to the windows, door, and roofing as well as the addition of an awning to the west elevation. Because the original windows and doors have been replaced with modern materials and modern materials were added to the primary elevation, the

building no longer can be said to "embody the distinctive characteristics of a type, period, or method of construction." In addition, two of the ancillary buildings experienced fire damage circa 2022. Archival research did not uncover that the residence was the work of a master architect or builder. The building also does not possess high artistic value and is not representative of a significant or distinguishable entity whose components may lack individual distinction. Additionally, the ancillary buildings do not express character-defining features and distinctive characteristics of a specific architectural style and due to their lack of distinctive characteristics, they are unlikely the work of a master architect or builder. Therefore, 26562 3rd Street (APN 1192-551-07) lacks architectural merit due to numerous alterations and fire damage, and the property does not appear eligible for the NRHP under Criterion C or the CRHR under Criterion 3.

Criterion D/4: That have yielded, or may be likely to yield, information important in prehistory or history.

Criterion D was not considered in the evaluation, because it generally applies to archaeological resources. The buildings on 26562 3rd Street (APN 1192-551-07) are not significant under Criterion D of the NRHP or Criterion 4 of the CRHR as a source, or likely source, of important historical information, nor do they appear likely to yield important information about historic construction methods, materials, or technologies.

Integrity Discussion

The 26562 3rd Street (APN 1192-551-07) property contains three buildings, none of which are known to have been moved or relocated; therefore, the property maintains integrity of location. The property does not maintain integrity of setting, as the surrounding neighborhood and streetscape have been altered significantly since the 1940 buildings, the first at the property, were constructed. At the time of construction, the surrounding area was agricultural with widely dispersed small homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing; therefore, the property no longer retains integrity of setting. Significant alterations and fire damage to the majority of the buildings on the property have substantially impacted integrity of design, materials, and workmanship. The property no longer retains integrity of feeling due to the high number of alterations to the buildings on the property and the loss of its original agricultural setting. The property can no longer convey its historic sense of a particular period. Finally, the property does not have any historical associations with people or events and therefore it does not have integrity of association. Therefore, the 26562 3rd Street (APN 1192-551-07) property does not retain integrity.

City of Highland Statement of Significance

The 26562 3rd Street (APN 1192-551-07) property does not meet any of the criteria for listing by the City of Highland, as demonstrated below.

A It exemplifies or reflects special elements of the city's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.

As discussed in NRHP/CRHR Criterion A/1, archival research did not discover that property was related to historical events significant to the City of Highland and does not reflect special elements of the City's cultural, social, economic, political, aesthetic, engineering, architectural, or natural history.

B It is identified with persons or events significant in local, state, or national history.

As discussed in NRHP/CRHR Criterion B/2, archival research did not discover that the property was the location of any significant historical events or associated with an important person in the City of Highland, California, or the United States.

C It embodies distinctive characteristics of a style, type, period, or method of construction, or is a valuable example of the use of indigenous materials or craftsmanship.

As discussed in NRHP/CRHR Criterion C/3, none of the three buildings identified on the property exemplifies a particular architectural style, type, or period of construction important to the City. The historic-age residence and ancillary buildings are significantly altered, and some experienced fire damage. There are more intact examples of buildings from the 1940s throughout the City. Additionally, due to the date of construction of the earliest building constructed on the property (1940), it is unlikely to be a valuable example of the use of indigenous materials or craftsmanship.

D It is representative of the work of a notable builder, designer, or architect.

As discussed in NRHP/CRHR Criterion C/3, archival research did not uncover that any of the buildings on the property were identified with a builder, designer, or architect whose work could be considered notable within the City of Highland.

E It contributes to the significance of an historic area, being a geographically definable area possessing a concentration of historic or scenic properties or thematically related grouping of properties which contribute to each other and are unified aesthetically by plan or physical development.

The property does not contribute to the significance of an historic area, nor is it thematically related to a group of properties that contribute to each other and are unified aesthetically. The area surrounding the property has been altered significantly since its construction in 1940. At the time of its construction, the surrounding area was agriculturally based with widely dispersed small homesteads. By the 1970s, the majority of these agricultural properties and small residences were replaced with tracts of single-family residential housing. The historic area that the property originally was a part of is no longer extant.

F It has a unique location or singular physical characteristics or is a view or vista representing an established and familiar visual feature of a neighborhood, community, or the city of Highland.

The buildings at the property do not present a unique location or singular physical characteristics, nor is the property a view or vista representing an established and familiar visual feature of a neighborhood, community, or the City of Highland. The majority of the buildings on the property have been heavily altered and fire damaged; therefore, they do not possess unique characteristics. Additionally, the property does not display a view or vista establishing a familiar visual feature due to multiple changes, new additions, and fire damage to the buildings on the property.

G It embodies elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.

As discussed in NRHP/CRHR Criterion C/3, the buildings at the property have substantial

material alterations and fire damage, and no longer embody elements of architectural design, detail, materials, or craftsmanship that represent a significant structural or architectural achievement or innovation.

H It is similar to other distinctive properties, sites, areas, or objects based on a historic, cultural, or architectural motif.

The property does not possess similar characteristics to properties, sites, areas, or objects based on a historic, cultural, or architectural motif. Due to multiple large-scale alterations and fire damage to the majority of the buildings on the property since their construction, there are no distinctive characteristics that can relate them to other properties within the City of Highland.

I It reflects significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning.

The buildings at the property do not reflect significant geographical patterns, including those associated with different eras of settlement and growth, particular transportation modes, or distinctive examples of park or community planning. Due to multiple large-scale alterations and fire damage to the majority of the buildings on the property since their construction, they can no longer be associated with different eras of settlement and growth in the City of Highland.

J It is one of the few remaining examples in the city, region, state, or nation possessing distinguishing characteristics of an architectural or historical type of specimen.

The property does not represent one of the few remaining examples in the City, region, state, or nation possessing distinctive characteristics of an architectural historical type of specimen. The buildings on the property have undergone multiple large-scale alterations and fire damage, and therefore no longer possess distinctive characteristics of such a type.

Exhibit 1. View of garage and shed, view to northeast (IMG_2533)



Source: Dudek 2022.

Exhibit 2. Historic aerial comparison of the Project site from 1959 (left) and 1984 (right), with the Project site outlined in red





Source: NETR 2022, 1959 and 1984.

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Appendix E
Geotechnical Investigation

Geotechnical Engineering Investigation
Proposed Industrial Warehouse Development
Southeast Corner of Victoria Avenue
and 5th Street
Highland, California

Patriot Partners
12126 W. Sunset Boulevard
Los Angeles, California 90049-4145

Attn: Kevin Rice

Project Number 23312-22
June 9, 2022

NorCal Engineering

NorCal Engineering

Soils and Geotechnical Consultants
10641 Humbolt Street Los Alamitos, CA 90720
(562) 799-9469 Fax (562) 799-9459

June 9, 2022 Project Number 23312-22

Patriot Partners
12126 W. Sunset Boulevard
Los Angeles, California 90049-4145

Attn: Kevin Rice

RE: **Geotechnical Engineering Investigation** - Proposed Industrial Warehouse Development - Located at the Southeast Corner of Victoria Avenue and 5th Street, in the City of Highland, California

Dear Mr. Rice:

Pursuant to your request, this firm has performed a Geotechnical Engineering Investigation for the above referenced project in accordance with your approval of our proposal dated May 11, 2022. The purpose of this investigation is to evaluate the geotechnical conditions of the subject site and to provide recommendations for the construction of a proposed industrial warehouse development.

The scope of work included the following: 1) site reconnaissance; 2) subsurface geotechnical exploration and sampling; 3) laboratory testing; 4) soil infiltration testing; 5) engineering analysis of field and laboratory data; 6) preparation of a geotechnical engineering report. It is the opinion of this firm that the proposed development is feasible from a geotechnical standpoint provided that the recommendations presented in this report are followed in the design and construction of the project.

1.0 Project Description

It is proposed to construct an industrial warehouse development consisting of 152,391 square feet building on the subject site as shown on the attached Site Plan (figure 1). The proposed concrete tilt-up building will be supported by a conventional slab-on-grade foundation system with perimeter-spread footings and isolated interior footings. Other improvements will include asphalt and concrete pavement areas, hardscape and landscaping. It is assumed that the proposed grading for the development will include cut and fill procedures on the order of a few feet to achieve finished grade elevations. Final building plans shall be reviewed by this firm prior to submittal for city approval to determine the need for any additional study and revised recommendations pertinent to the proposed development, if necessary.

2.0 Site Description

The subject property is located at the southeast corner of Victoria Avenue and 5th Street, bordered by 3rd Street to the south in the City of Highland. The generally rectangular shaped parcel is elongated in an east to west direction and is relatively level. The southeast corner of the site is currently occupied by several single-story wood framed buildings with isolated areas of asphaltic parking. The remaining portion of the site is currently vacant and contains some light, natural vegetation.

3.0 Site Exploration

The investigation consisted of the placement of twelve (12) subsurface exploratory trenches by use of backhoe and hand operated equipment to depths of approximately 10 and 18 feet below current ground elevations. The trenches were placed at accessible locations throughout the property. The explorations were visually classified and logged by a field engineer with locations of the subsurface explorations shown on the attached plan.

The exploratory trenches revealed the existing earth materials to consist of fill and natural soil. Detailed descriptions of the subsurface conditions are listed on the boring logs in Appendix A. It should be noted that the transition from one soil type to another as shown on the trench logs is approximate and may in fact be a gradual transition. The soils encountered are described as follows:

Fill: A fill soil classifying as a brown, fine to medium grained, silty SAND with gravel and rootlets was encountered across the site to depths ranging from 1 to 3 feet below ground surface, these soils were noted to loose and dry. Minor amounts of asphalt and brick were encountered in exploratory trenches T-7 and T8. Approximately 2 to 6 inches of pulverized asphalt was noted on the surface near exploratory borings B-1, B-2 and B-3.

Natural: A natural undisturbed soil classifying as a brown, fine to coarse grained slightly silty SAND with occasional cobbles (up to a maximum of 30 inches in diameter) was encountered beneath the upper fill soils. The native soils as encountered were observed to be medium dense and damp.

The overall engineering characteristics of the earth material were relatively uniform with each excavation. Groundwater was not encountered to the depth of our trenches and caving occurred in the deeper cohesionless soils. Historic high groundwater in the vicinity has been recorded greater than 65 feet below grade at a nearby well located less than 1,000 feet to the west of the subject site as given on the California Department of Water Recourses database http://www.water.ca.gov/waterdatalibrary/ (State well numbers 01S03W05N006S). Additionally, local groundwater maps (Carson & Matti 1982), record historic groundwater depths in excess of 250 feet.

4.0 Laboratory Tests

Relatively undisturbed samples of the subsurface soils were obtained to perform laboratory testing and analysis for direct shear, consolidation tests, and to determine in-place moisture/densities. These relatively undisturbed ring samples were obtained by driving a thin-walled steel sampler lined with one-inch-long brass rings with an inside diameter of 2.42 inches into the undisturbed soils. Bulk bag samples were obtained in the upper soils for expansion index tests and maximum density tests. All test results are included in Appendix B, unless otherwise noted.

4.1 **Field Moisture Content** (ASTM: D 2216) and the dry density of the ring samples were determined in the laboratory. This data is listed on the logs of explorations.

4.2 **Maximum Density tests** (ASTM: D 1557) were performed on typical samples of the upper soils. Results of these tests are shown on Table I.

4.3 **Expansion Index tests** (ASTM: D 4829) were performed on remolded samples of the upper soils to determine expansive characteristics. Results of these tests are provided on Table II.

4.4 **Corrosion tests** consisting of sulfate, pH, resistivity and chloride analysis to determine potential corrosive effects of soils on concrete and underground utilities. Test results are provided on Table III.

4.5 **R-Value test** per California Test Method 301 was performed on a representative sample, which may be anticipated to be near subgrade to determine pavement design. Results are provided within the pavement design section of the report.

4.6 **Direct Shear tests** (ASTM: D 3080) were performed on undisturbed and/or remolded samples of the subsurface soils. The test is performed under saturated conditions at loads of 1,000 lbs./sq.ft., 2,000 lbs./sq.ft., and 3,000 lbs./sq.ft. with results shown on Plate A to B.

4.7 **Consolidation tests** (ASTM: D 2435) were performed on undisturbed samples to determine the differential and total settlement which may be anticipated based upon the proposed loads. Water was added to the samples at a surcharge of one KSF and the settlement curves are plotted on Plates C to D.

5.0 Seismicity Evaluation

The proposed development lies outside of any Alquist Priolo Special Studies Zone and the potential for damage due to direct fault rupture is considered unlikely. The San Andreas Fault (San Bernardino Segment) is located approximately 5 kilometers from the site and is capable of producing a Magnitude 7.4 earthquake. Ground shaking originating from earthquakes along other active faults in the region is expected to induce lower horizontal accelerations due to smaller anticipated earthquakes and/or greater distances to other faults.

The seismic design acceleration parameters for the project site are provided on the following page based on the ASCE/SEI 7-22 American Society of Civil Engineers (ASCE) website, https://asce7hazardtool.online/. The ASCE/SEI 7-22 report is attached is Appendix C

Seismic Design Acceleration Parameters

Latitude	34.106
Longitude	-117.225
Site Class	D
Risk Category	II
Peak Ground Acceleration	$PGA_M = 0.8$
Adjusted Maximum Acceleration	$S_{MS} = 2.31$ $S_{M1} = 2.73$
Design Spectral Response Acceleration Parameters	$S_{DS} = 1.54$ $S_{D1} = 1.82$
Mapped Spectral Response Acceleration	$S_S = 2.38$ $S_1 = 0.93$

Use of these values is dependent on the latest requirements of the ASCE, 11-4.8, Exception 2 that requires the value of the seismic response coefficient C_s be determined by Equation 12.8.2 for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either 12.8-3 for $T_L \geq T \geq 1.5T_s$ or Equation 12.8-4 for $T > T_L$. Computations and verification of these conditions is referred to the structural engineer.

6.0 Liquefaction Evaluation

The site is expected to experience ground shaking and earthquake activity that is typical of the Southern California area. It is during severe shaking that loose, granular soils below the groundwater table can liquefy. Based on review of the *County of San Bernardino County Land Use Plan – General Plan – Geologic Hazard Overlays (2009)*, the site lies *outside* a zone of "Suspected Liquefaction Susceptibility". Based on review of local groundwater maps, the depth of groundwater is in excess of 100 feet (Carson & Matti 1982). Thus, the design of the proposed construction in conformance with the latest Building Code provisions for earthquake design is expected to provide mitigation of ground shaking hazards that are typical to Southern California.

7.0 Infiltration Characteristics

Infiltration tests within the site were performed to provide preliminary infiltration rates for the purpose of planning and design of an on-site water disposal system. The infiltration tests consisted of the double ring infiltration test per ASTM Method D 3385 with test results given in Appendix D. Based upon the results of our testing, the soils encountered in the planned on-site drainage disposal system area exhibit the following infiltration rates.

Boring/Test No.	Depth	Soil Classification	Field Infiltration Rate
T-1/TH-1	10'	Slightly Silty SAND	72.0 in/hr
T-2/TH-2	12'	Slightly Silty SAND	170.0 in/hr
T-3/TH-3	10'	Slightly Silty SAND	56.0 in/hr
T-4/TH-4	12'	Slightly Silty SAND	67.8 in/hr

Based on the results of our field testing, the subsurface soils encountered in the proposed on-site drainage disposal system shall utilize the design infiltration rates based on the safety factor required by the county standard. All systems must meet the latest city and/or county specifications and the California Regional Water Quality Control Board (CRWQCB) requirements.

It is recommended that foundations shall be setback a minimum distance of 10 feet from the drainage disposal system and the bottom of footing shall be a minimum of 10 feet from the expected zone of saturation. The boundary of the zone of saturation may be assumed to project downward from the top of the permeable portion of the disposal system at an inclination of 1 to 1 or flatter, as determined by the geotechnical engineer.

8.0 Conclusions and Recommendations

Based upon our evaluations, the proposed development is acceptable from a geotechnical engineering standpoint. By following the recommendations and guidelines set forth in our report, the structures will be safe from excessive settlements under the anticipated design loadings and conditions. The proposed development shall meet all requirements of the City Building Ordinance and will not impose any adverse effect on existing adjacent structures.

The following recommendations are based upon soil conditions encountered in our field investigation; these near-surface soil conditions could vary across the site. Variations in the soil conditions may not become evident until the commencement of grading operations for the proposed development and revised recommendations from the soils engineer may be necessary based upon the conditions encountered.

It is recommended that site inspections be performed by a representative of this firm during all grading and construction of the development to verify the findings and recommendations documented in this report. Any unusual conditions which may be encountered in the course of the project development may require the need for additional study and revised recommendations.

8.1 Site Grading Recommendations

Any vegetation and/or demolition debris shall be removed and hauled from proposed grading areas prior to the start of grading operations. Existing vegetation shall not be mixed or disced into the soils. Any removed soils may be reutilized as compacted fill once any deleterious material or oversized materials (in excess of eight inches) is removed. Grading operations shall be performed in accordance with the attached *Specifications for Placement of Compacted Fill.*

8.1.1 Removal and Recompaction Recommendations

All disturbed soils and/or fill (about 1 to 3 feet below ground surface) shall be removed to competent native material, the exposed surface scarified to a depth of 12 inches, brought to within 2% of optimum moisture content and compacted to a minimum of 90% of the laboratory standard (ASTM: D-1557) prior to placement of any additional compacted fill soils, foundations, slabs-on-grade and pavement. The upper 12 inches of soils beneath building pad and concrete paving shall be compacted to a minimum of 95% of the laboratory standard. Grading shall extend a minimum of five horizontal feet outside the edges of foundations or equidistant to the depth of fill placed, whichever is greater.

The site is underlain by alluvium generally composed of gravels, cobbles and boulders in a silty sand matrix. Oversized materials are anticipated to be encountered during grading operations. The proposed building pad shall be graded with cobbles up to 6-inch minus blended uniformly with soils in the upper one foot beneath pad grade and within planned utility/foundation areas. Rock size up to 12 inches blended uniformly with soils shall be placed below two feet of more below grade. All fill will be required to be placed in suitable lifts, moisture conditioned and compacted to a minimum of 90% of the laboratory standard.

It is possible that isolated areas of undiscovered fill not described in this report are present on site; if found, these areas should be treated as discussed earlier. A diligent search shall also be conducted during grading operations in an effort to uncover any underground structures, irrigation or utility lines. If encountered, these structures and lines shall be either removed or properly abandoned prior to the proposed construction.

Any imported fill material should be preferably soil similar to the upper soils encountered at the subject site. All soils shall be approved by this firm prior to importing at the site and will be subjected to additional laboratory testing to assure concurrence with the recommendations stated in this report.

If placement of slabs-on-grade and pavement is not completed immediately upon completion of grading operations, additional testing and grading of the areas may be necessary prior to continuation of construction operations. Likewise, if adverse weather conditions occur which may damage the subgrade soils, additional assessment by the soils engineer as to the suitability of the supporting soils may be needed.

Care should be taken to provide or maintain adequate lateral support for all adjacent improvements and structures at all times during the grading operations and construction phase. Adequate drainage away from the structures, pavement and slopes should be provided at all times.

8.1.2 **Fill Blanket Recommendations**

Due to the potential for differential settlement of foundations placed on compacted fill and native materials, it is recommended that all foundations including floor slab areas be underlain by a uniform compacted fill blanket at least two feet in thickness. This fill blanket shall extend a minimum of five horizontal feet outside the edges of foundations or equidistant to the depth of fill placed, whichever is greater.

8.2 **Shrinkage and Subsidence**

The site is underlain by alluvium generally composed of gravels, cobbles and boulders blended with a sand matrix. It is our experience that a loss of volume from oversize rock will be anticipated. Results of our in-place density tests reveal that the soil shrinkage of the matrix will be on the order of 5 to 10% due to excavation and recompaction, based upon the assumption that the fill is compacted to 92% of the maximum dry density per ASTM standards. Subsidence should be 0.2 feet due to earthwork operations.

The volume change does not include any allowance for vegetation or organic stripping, removal of subsurface improvements, or topographic approximations. Although these values are only approximate, they represent our best estimate of lost yardage, which will likely occur during grading. If more accurate shrinkage and subsidence factors are needed, it is recommended that field testing the actual equipment and grading techniques should be conducted.

8.3 **Temporary Excavations**

Temporary *unsurcharged* excavations in the existing site materials may be made at vertical inclinations up to 4 feet in height unless cohesionless soils are encountered. In areas where soils with little or no binder are encountered, where adverse geological conditions are exposed, or where excavations are adjacent to existing structures, shoring or flatter excavations may be required. The temporary cut slope gradients given above do not preclude local raveling and sloughing.

All excavations shall be made in accordance with the requirements of the soils engineer, CAL-OSHA and other public agencies having jurisdiction. Care should be taken to provide or maintain adequate lateral support for all adjacent improvements and structures at all times during the grading operations and construction phase.

8.4 Foundation Design

All foundations may be designed utilizing the following allowable bearing capacities for an embedded depth of 18 inches into approved engineered fill with the corresponding widths:

Allowable Bearing Capacity (psf)		
Width (feet)	Continuous Foundation	Isolated Foundation
1.5	2000	2500
2.0	2075	2575
4.0	2375	2875
6.0	2500	3000

The bearing value may be increased by 500 psf for each additional foot of depth in excess of the 18-inch minimum depth, up to a maximum of 4,000 psf. A one-third increase may be used when considering short-term loading and seismic forces.

Any foundations located along property line may utilize an allowable bearing capacity of 1,500 psf and embedded into competent native soils. A modulus of subgrade reaction (k) of 200 pci may be used for design of slabs placed on engineered fill soils supporting sustained concentrated loads. A representative of this firm shall inspect all foundation excavations prior to pouring concrete.

8.5 Settlement Analysis

Resultant pressure curves for the consolidation tests are shown on Plates B to C. Computations utilizing these curves and the recommended allowable soil bearing capacities reveal that the foundations will experience settlements on the order of ¾ inch and differential settlements of less than ¼ inch.

8.6 **Lateral Resistance**

The following values may be utilized in resisting lateral loads imposed on the structure. Requirements of the California Building Code should be adhered to when the coefficient of friction and passive pressures are combined.

Coefficient of Friction - 0.40

Equivalent Passive Fluid Pressure = 250 lbs./cu.ft.

Maximum Passive Pressure = 2,500 lbs./cu.ft.

The passive pressure recommendations are valid only for approved compacted fill soils or competent native materials.

8.7 **Retaining Wall Design Parameters**

Active earth pressures against retaining walls will be equal to the pressures developed by the following fluid densities. These values are for **granular backfill material** placed behind the walls at various ground slopes above the walls.

Surface Slope of Retained Materials (Horizontal to Vertical	Equivalent Fluid Density (lb./cu.ft.)
Level	30
5 to 1	35
4 to 1	38
3 to 1	40
2 to 1	45

Any applicable short-term construction surcharges and seismic forces should be added to the above lateral pressure values. An equivalent fluid pressure of 45 pcf may be utilized for the restrained wall condition with a level grade behind the wall.

The seismic-induced lateral soil pressure for walls greater than 6 feet may be computed using a triangular pressure distribution with the maximum value at the top of the wall. The maximum lateral pressure of (20 pcf) H where H is the height of the retained soils above the wall footing should be used in final design of retaining walls. Sliding resistance values and passive fluid pressure values may be increased by 1/3 during short-term wind and seismic loading conditions.

All walls shall be waterproofed as needed and protected from hydrostatic pressure by a reliable permanent subdrain system. The granular backfill to be utilized immediately adjacent to retaining walls shall consist of an approved select granular soil with a sand equivalency greater than 30. This backfill zone of free draining material shall consist of a wedge beginning a minimum of one horizontal foot from the base of the wall extending upward at an inclination of no less than ¾ to 1 (horizontal to vertical).

8.8 **Slab Design**

All concrete slabs shall be a minimum of six inches in thickness in the proposed warehouse areas and four inches in office and hardscape and placed on approved subgrade soils compacted to a minimum of 95% of the laboratory standard in the upper 12 inches. Additional reinforcement requirements and an increase in thickness of the slabs-on-grade may be necessary based upon soils expansion potential and proposed loading conditions in the structures and should be evaluated further by the project engineers and/or architect.

A vapor retarder (10-mil minimum thickness) should be utilized in areas which would be sensitive to the infiltration of moisture. This retarder shall meet requirements of ASTM E 96, *Water Vapor Transmission of Materials* and ASTM E 1745, *Standard Specification for Water Vapor Retarders used in Contact with Soil or Granular Fill Under Concrete Slabs.* The vapor retarder shall be installed in accordance with procedures stated in ASTM E 1643, *Standard practice for Installation of Water Vapor Retarders used in Contact with Earth or Granular Fill Under Concrete Slabs.*

The moisture retarder may be placed directly upon compacted subgrade soils conditioned to near optimum moisture levels, although one to two inches of sand beneath the membrane is desirable. The subgrade upon which the retarder is placed shall be smooth and free of rocks, gravel or other protrusions which may damage the retarder. Use of sand above the retarder is under the purview of the structural engineer; if sand is used over the retarder, it should be placed in a dry condition.

8.9 **Preliminary Pavement Section Design**

The table below provides a preliminary pavement design based upon an *estimated* R-Value of 65 for the subgrade soils for the proposed pavement areas. An updated pavement design may be provided upon completion of pending laboratory testing of the near surface soils. Final pavement design may need to be based on R-Value testing of the subgrade soils near the conclusion of site grading to assure that these soils are consistent with those assumed in this preliminary design. *The recommendations are based upon estimated traffic loads. Client should submit any other anticipated traffic loadings to the geotechnical engineer, if necessary, so that pavement sections may be reviewed to determine adequacy to support the proposed loadings.*

Type of Traffic	Traffic Index	Asphalt (in.)	Base Material (in.)
Automobile Parking Stalls	4.0	3.0	3.0
Light Vehicle Circulation Areas	5.5	3.5	5.5
Heavy Truck Access Areas	7.0	4.0	8.0

Any concrete slab-on-grade in pavement areas shall be a minimum of six inches in thickness and may be placed on approved subgrade soils.

All pavement areas shall have positive drainage toward an approved outlet from the site. Drain lines behind curbs and/or adjacent to landscape areas should be considered by client and the appropriate design engineers to prevent water from infiltrating beneath pavement. If such infiltration occurs, damage to pavement, curbs and flow lines, especially on sites with expansive soils, may occur during the life of the project.

Any approved base material shall consist of a Class II aggregate or equivalent and should be compacted to a minimum of 95% relative compaction. All pavement materials shall conform to the requirements set forth by the City of Fontana. The base material; and asphaltic concrete should be tested prior to delivery to the site and during placement to determine conformance with the project specifications. A pavement engineer shall designate the specific asphalt mix design to meet the required project specifications.

8.10 **Utility Trench and Excavation Backfill**

Trenches from installation of utility lines and other excavations may be backfilled with on-site soils or approved imported soils compacted to a minimum of 90% relative compaction. All utility lines shall be properly bedded with clean sand having a sand equivalency rating of 30 or more. This bedding material shall be thoroughly water jetted around the pipe structure prior to placement of compacted backfill soils.

8.11 **Corrosion Design Criteria**

Representative samples of the surficial soils, typical of the subgrade soils expected to be encountered within foundation excavations and underground utilities were tested for corrosion potential. The minimum resistivity value obtained for the samples tested is representative of an environment that may be severely corrosive to metals. The soil pH value was considered mildly alkaline and may not have a significant effect on soil corrosivity. Consideration should be given to corrosion protection systems for buried metal such as protective coatings, wrappings or the use of PVC where permitted by local building codes.

According to Table 4.3.1 of ACI 318 Building Code and Commentary, these contents revealed negligible sulfate concentrations. Therefore, a Type II cement according to latest CBC specifications may be utilized for building foundations at this time. It is recommended that additional sulfate tests be performed at the completion of site grading to assure that the as graded conditions are consistent with the recommendations stated in this design. Corrosion test results may be found on the attached Table IV.

8.12 **Expansive Soil**

On-site soils are very low in expansion potential (EI 0-20). When soils have an expansion index (EI) of 20 or more, special attention should be given to the project design and maintenance. The attached *Expansive Soil Guidelines* should be reviewed by the engineers, architects, owner, maintenance personnel and other interested parties and considered during the design of the project and future property maintenance. Expansion test results may be found on the attached Table II.

9.0 Closure

The recommendations and conclusions contained in this report are based upon the soil conditions uncovered in our test excavations. No warranty of the soil condition between our excavations is implied. NorCal Engineering should be notified for possible further recommendations if unexpected to unfavorable conditions are encountered during construction phase. It is the responsibility of the owner to ensure that all information within this report is submitted to the Architect and appropriate Engineers for the project.

A preconstruction conference should be held between the developer, general contractor, grading contractor, city inspector, architect, and soil engineer to clarify any questions relating to the grading operations and subsequent construction. Our representative should be present during the grading operations and construction phase to certify that such recommendations are complied within the field.

This geotechnical investigation has been conducted in a manner consistent with the level of care and skill exercised by members of our profession currently practicing under similar conditions in the Southern California area. No other warranty, expressed or implied is made.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING

Keith D. Tucker
Project Engineer
R.G.E. 841

REGISTERED PROFESSIONAL ENGINEER
KEITH D. TUCKER
No. 841
Exp. 12/31/2022
GEOTECHNICAL
STATE OF CALIFORNIA

Mike Barone
Project Manager

SPECIFICATIONS FOR PLACEMENT OF COMPACTED FILL

Excavation

Any existing low-density soils and/or saturated soils shall be removed to competent natural soil under the inspection of the Geotechnical Engineering Firm. After the exposed surface has been cleansed of debris and/or vegetation, it shall be scarified until it is uniform in consistency, brought to the proper moisture content and compacted to a minimum of 90% relative compaction (in accordance with ASTM: D 1557).

In any area where a transition between fill and native soil or between bedrock and soil are encountered, additional excavation beneath foundations and slabs will be necessary in order to provide uniform support and avoid differential settlement of the structure.

Material for Fill

The on-site soils or approved import soils may be utilized for the compacted fill provided they are free of any deleterious materials and shall not contain any rocks, brick, asphaltic concrete, concrete or other hard materials greater than eight inches in maximum dimensions. Any import soil must be approved by the Geotechnical Engineering firm a minimum of 72 hours prior to importation of site.

Placement of Compacted Fill Soils

The approved fill soils shall be placed in layers not excess of six inches in thickness. Each lift shall be uniform in thickness and thoroughly blended. The fill soils shall be brought to within 2% of the optimum moisture content, unless otherwise specified by the Soils Engineering firm. Each lift shall be compacted to a minimum of 90% relative compaction (in accordance with ASTM: D 1557) and approved prior to the placement of the next layer of soil. Compaction tests shall be obtained at the discretion of the Geotechnical Engineering firm but to a minimum of one test for every 500 cubic yards placed and/or for every 2 feet of compacted fill placed.

The minimum relative compaction shall be obtained in accordance with accepted methods in the construction industry. The final grade of the structural areas shall be in a dense and smooth condition prior to placement of slabs-on-grade or pavement areas. No fill soils shall be placed, spread or compacted during unfavorable weather conditions. When the grading is interrupted by heavy rains, compaction operations shall not be resumed until approved by the Geotechnical Engineering firm.

Grading Observations

The controlling governmental agencies should be notified prior to commencement of any grading operations. This firm recommends that the grading operations be conducted under the observation of a Soils Engineering firm as deemed necessary. A 24-hour notice must be provided to this firm prior to the time of our initial inspection.

Observation shall include the clearing and grubbing operations to assure that all unsuitable materials have been properly removed; approve the exposed subgrade in areas to receive fill and in areas where excavation has resulted in the desired finished grade and designate areas of overexcavation; and perform field compaction tests to determine relative compaction achieved during fill placement. In addition, all foundation excavations shall be observed by the Soils Engineering firm to confirm that appropriate bearing materials are present at the design grades and recommend any modifications to construct footings.

EXPANSIVE SOIL GUIDELINES

The following expansive soil guidelines are provided for your project. The intent of these guidelines is to inform you, the client, of the importance of proper design and maintenance of projects supported on expansive soils. ***You, as the owner or other interested party, should be warned that you have a duty to provide the information contained in the soil report including these guidelines to your design engineers, architects, landscapers and other design parties in order to enable them to provide a design that takes into consideration expansive soils.***

In addition, you should provide the soil report with these guidelines to any property manager, lessee, property purchaser or other interested party that will have or assume the responsibility of maintaining the development in the future.

Expansive soils are fine-grained silts and clays which are subject to swelling and contracting. The amount of this swelling and contracting is subject to the amount of fine-grained clay materials present in the soils and the amount of moisture either introduced or extracted from the soils. Expansive soils are divided into five categories ranging from "very low" to "very high". Expansion indices are assigned to each classification and are included in the laboratory testing section of this report. *If the expansion index of the soils on your site, as stated in this report, is 21 or higher, you have expansive soils.* The classifications of expansive soils are as follows:

Classification of Expansive Soil*

Expansion Index	Potential Expansion
0-20	Very Low
21-50	Low
51-90	Medium
91-130	High
Above 130	Very High

*From Table 18A-I-B of California Building Code (1988)

When expansive soils are compacted during site grading operations, care is taken to place the materials at or slightly above optimum moisture levels and perform proper compaction operations. Any subsequent excessive wetting and/or drying of expansive soils will cause the soil materials to expand and/or contract. These actions are likely to cause distress of foundations, structures, slabs-on-grade, sidewalks and pavement over the life of the structure. ***It is therefore imperative that even after construction of improvements, the moisture contents are maintained at relatively constant levels, allowing neither excessive wetting or drying of soils.***

Evidence of excessive wetting of expansive soils may be seen in concrete slabs, both interior and exterior. Slabs may lift at construction joints producing a trip hazard or may crack from the pressure of soil expansion. Wet clays in foundation areas may result in lifting of the structure causing difficulty in the opening and closing of doors and windows, as well as cracking in exterior and interior wall surfaces. In extreme wetting of soils to depth, settlement of the structure may eventually result. Excessive wetting of soils in landscape areas adjacent to concrete or asphaltic pavement areas may also result in expansion of soils beneath pavement and resultant distress to the pavement surface.

Excessive drying of expansive soils is initially evidenced by cracking in the surface of the soils due to contraction. Settlement of structures and on-grade slabs may also eventually result along with problems in the operation of doors and windows.

Projects located in areas of expansive clay soils will be subject to more movement and "hairline" cracking of walls and slabs than similar projects situated on non-expansive sandy soils. There are, however, measures that developers and property owners may take to reduce the amount of movement over the life the development. The following guidelines are provided to assist you in both design and maintenance of projects on expansive soils:

- Drainage away from structures and pavement is essential to prevent excessive wetting of expansive soils. Grades should be designed to the latest building code and maintained to allow flow of irrigation and rain water to approved drainage devices or to the street. Any "ponding" of water adjacent to buildings, slabs and pavement after rains is evidence of poor drainage; the installation of drainage devices or regrading of the area may be required to assure proper drainage. Installation of rain gutters is also recommended to control the introduction of moisture next to buildings. Gutters should discharge into a drainage device or onto pavement which drains to roadways.

- Irrigation should be strictly controlled around building foundations, slabs and pavement and may need to be adjusted depending upon season. This control is essential to maintain a relatively uniform moisture content in the expansive soils and to prevent swelling and contracting. Over-watering adjacent to improvements may result in damage to those improvements. NorCal Engineering makes no specific recommendations regarding landscape irrigation schedules.

- Planting schemes for landscaping around structures and pavement should be analyzed carefully. Plants (including sod) requiring high amounts of water may result in excessive wetting of soils. Trees and large shrubs may actually extract moisture from the expansive soils, thus causing contraction of the fine-grained soils.

- Thickened edges on exterior slabs will assist in keeping excessive moisture from entering directly beneath the concrete. A six-inch thick or greater deepened edge on slabs may be considered. Underlying interior and exterior slabs with 6 to 12 inches or more of non-expansive soils and providing presaturation of the underlying clayey soils as recommended in the soil report will improve the overall performance of on-grade slabs.

- Increase the amount of steel reinforcing in concrete slabs, foundations and other structures to resist the forces of expansive soils. The precise amount of reinforcing should be determined by the appropriate design engineers and/or architects.

- Recommendations of the soil report should always be followed in the development of the project. Any recommendations regarding presaturation of the upper subgrade soils in slab areas should be performed in the field and verified by the Soil Engineer.



N

50' 0' 25' 100'

SCALE: 1" = 100'

NorCal Engineering

SOILS AND GEOTECHNICAL CONSULTANTS

PATRIOT PARTNERS

PROJECT: 23312-22 | DATE: JUNE 2022

SITE PLAN

(FIGURE 1)



NorCal Engineering SOILS AND GEOTECHNICAL CONSULTANTS		VICINITY MAP
PATRIOT PARTNERS		
PROJECT: 23312-22	DATE: JUNE 2022	(FIGURE 2)

List of Appendices
(in order of appearance)

Appendix A – Log of Excavations

Log of Trenches T-1 to T-8

Log of Borings B-1 to B-4

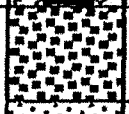
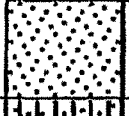
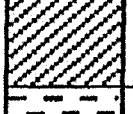
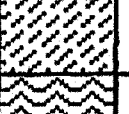
Appendix B – Laboratory Tests

Table I – Maximum Dry Density
Table II – Expansion
Table III – Corrosion
Plate A to B– Direct Shear
Plates C to D - Consolidation

Appendix C – ASCE Seismic Hazards Report

Appendix D – Soil Infiltration Data

Appendix A
Log of Excavations

MAJOR DIVISION			GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS — MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS — MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL, SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND AND SANDY SOILS — MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SAND (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINE (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND-SILT MIXTURES
				SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE GRAINED SOILS — MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS — LIQUID LIMIT LESS THAN 50			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS — LIQUID LIMIT GREATER THAN 50			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

UNIFIED SOIL CLASSIFICATION SYSTEM

KEY:

 Indicates 2.5-inch Inside Diameter. Ring Sample.

 Indicates 2-inch OD Split Spoon Sample (SPT).

 Indicates Shelby Tube Sample.

 Indicates No Recovery.

 Indicates SPT with 140# Hammer 30 in. Drop.

 Indicates Bulk Sample.

 Indicates Small Bag Sample.

 Indicates Non-Standard

 Indicates Core Run.

COMPONENT PROPORTIONS

DESCRIPTIVE TERMS	RANGE OF PROPORTION
Trace	1 - 5%
Few	5 - 10%
Little	10 - 20%
Some	20 - 35%
And	35 - 50%

COMPONENT DEFINITIONS

COMPONENT	SIZE RANGE
Boulders	Larger than 12 in
Cobbles	3 in to 12 in
Gravel	3 in to No 4 (4.5mm)
Coarse gravel	3 in to 3/4 in
Fine gravel	3/4 in to No 4 (4.5mm)
Sand	No. 4 (4.5mm) to No. 200 (0.074mm)
Coarse sand	No. 4 (4.5 mm) to No. 10 (2.0 mm)
Medium sand	No. 10 (2.0 mm) to No. 40 (0.42 mm)
Fine sand	No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt and Clay	Smaller than No. 200 (0.074 mm)

MOISTURE CONTENT

DRY	Absence of moisture, dusty, dry to the touch.
DAMP	Some perceptible moisture; below optimum
MOIST	No visible water; near optimum moisture content
WET	Visible free water, usually soil is below water table.

RELATIVE DENSITY OR CONSISTENCY VERSUS SPT N -VALUE

COHESIONLESS SOILS		COHESIVE SOILS		
Density	N (blows/ft)	Consistency	N (blows/ft)	Approximate Undrained Shear Strength (psf)
Very Loose	0 to 4	Very Soft	0 to 2	< 250
Loose	4 to 10	Soft	2 to 4	250 - 500
Medium Dense	10 to 30	Medium Stiff	4 to 8	500 - 1000
Dense	30 to 50	Stiff	8 to 15	1000 - 2000
Very Dense	over 50	Very Stiff	15 to 30	2000 - 4000
		Hard	over 30	> 4000

Patriot Partners 23312-22	Log of Trench T-1
Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry	☑				
5		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp Cobbles up to 30" in diameter below 5'					
10		Trench completed at depth of 10'	☑		3.0		
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

NorCal Engineering

Patriot Partners 23312-22	Log of Trench T-2

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry					
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp Cobbles up to 20" in diameter below 5'					
5		GWT not encountered					
10		Trench completed at depth of 12'	☒		3.1		
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Trench T-3

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry					
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp					
5		GWT not encountered					
10		Trench completed at depth of 10'	☒		3.6		
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Trench T-4
Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry					
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp					
5		GWT not encountered					
10		Trench completed at depth of 12'	M		3.6		
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

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Patriot Partners 23312-22	Log of Trench T-5
Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry					
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp			2.4	101.0	
5					2.7	104.0	
					1.7	101.1	
10		Trench completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CiviTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Trench T-6

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry	■		2.3	99.3	
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble					
5			■		3.0	99.7	
10			■		3.7	103.4	
15			■		2.2	106.3	
			■		2.8	105.4	
20		Trench completed at depth of 18.5'					
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Trench T-7

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets, concrete, asphaltic concrete Brown, loose, dry					
5		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp	■		1.6	101.0	
10			■		4.6	102.9	
		Trench completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Trench T-8

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets, concrete, asphaltic concrete, brick Brown, loose, dry					
5		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp					
10		Trench completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Boring B-1

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Hand Auger	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry			1.5	104.6	
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp			4.4	107.7	
5							
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Boring B-2

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Hand Auger	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		2" Pulverized Asphalt					
		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry					
		NATURAL					
5		Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp	■		2.1	102.3	
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Boring B-3

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Hand Auger	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		2' Pulverized Asphalt					
		FILL					
		Silty (fine to medium grained) SAND with occasional gravel, rootlets	■		1.9	105.1	
		Brown, loose, dry					
		NATURAL					
5		Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble					
		Light brown, medium dense, damp					
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Boring B-4

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Hand Auger	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		6' Pulverized Asphalt					
		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry	■		1.8	106.3	
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp	■		2.2	105.4	
5		GWT not encountered					
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Appendix B
Laboratory Tests

TABLE I
MAXIMUM DENSITY TESTS

Sample	Classification	Optimum Moisture (%)	Maximum Dry Density (lbs/cu.ft)
T-5 @ 2'	Slightly Silty SAND	8.0	111.5

TABLE II
EXPANSION TESTS

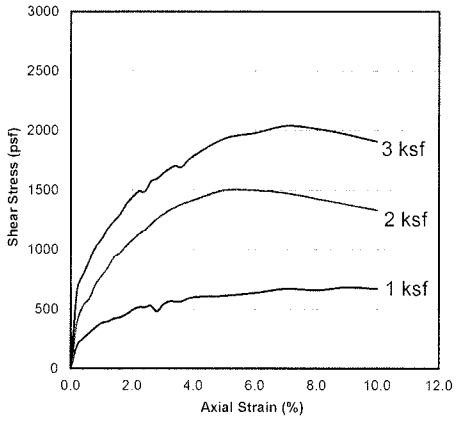
Sample	Classification	Expansion Index
T-5 @ 2'	Slightly Silty SAND	0

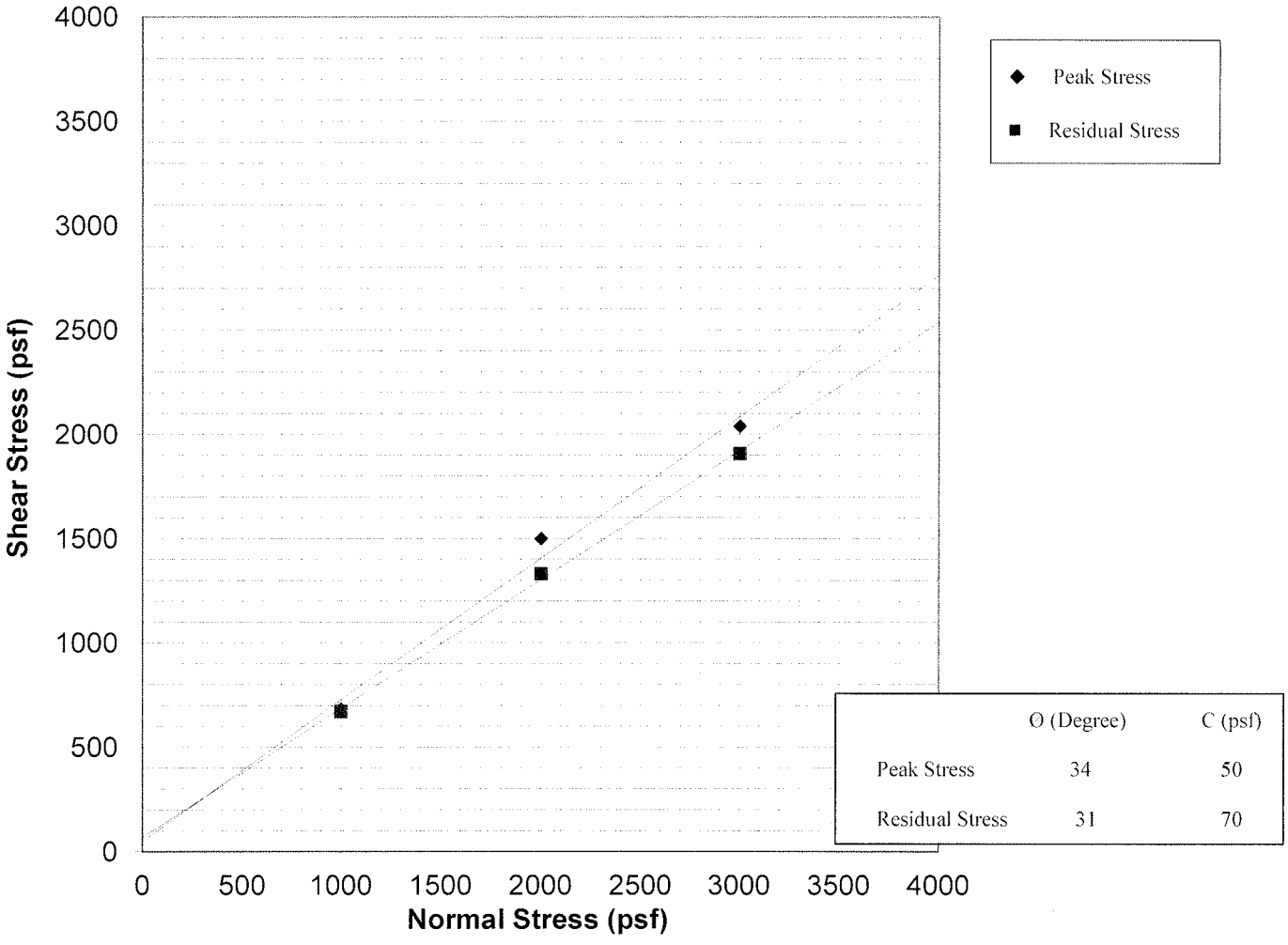
TABLE III
CORROSION TESTS

Sample	pH	Electrical Resistivity	Sulfate (%)	Chloride (ppm)
T-3 @ 2'	7.5	20,941	0.0011	167

% by weight
ppm – mg/kg

Sample No.		T5@2'		
Sample Type:		Undisturbed/Saturated		
Soil Description:		Fine-Medium Grained Sand w/ Some Small Gravel & Trace Silt		
		1	2	3
Normal Stress	(psf)	1000	2000	3000
Peak Stress	(psf)	684	1500	2040
Displacement	(in)	0.225	0.125	0.175
Residual Stress	(psf)	672	1332	1908
Displacement	(in.)	0.250	0.250	0.250
In Situ Dry Density	(pcf)	101.0	101.0	101.0
In Situ Water Content	(%)	2.4	2.4	2.4
Saturated Water Content	(%)	24.7	24.7	24.7
Strain Rate	(in/min)	0.020	0.020	0.020





	O (Degree)	C (psf)
Peak Stress	34	50
Residual Stress	31	70

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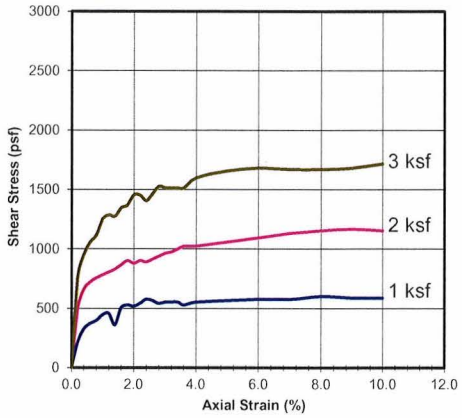
PROJECT NUMBER: 23312-22 DATE: 6/7/2022

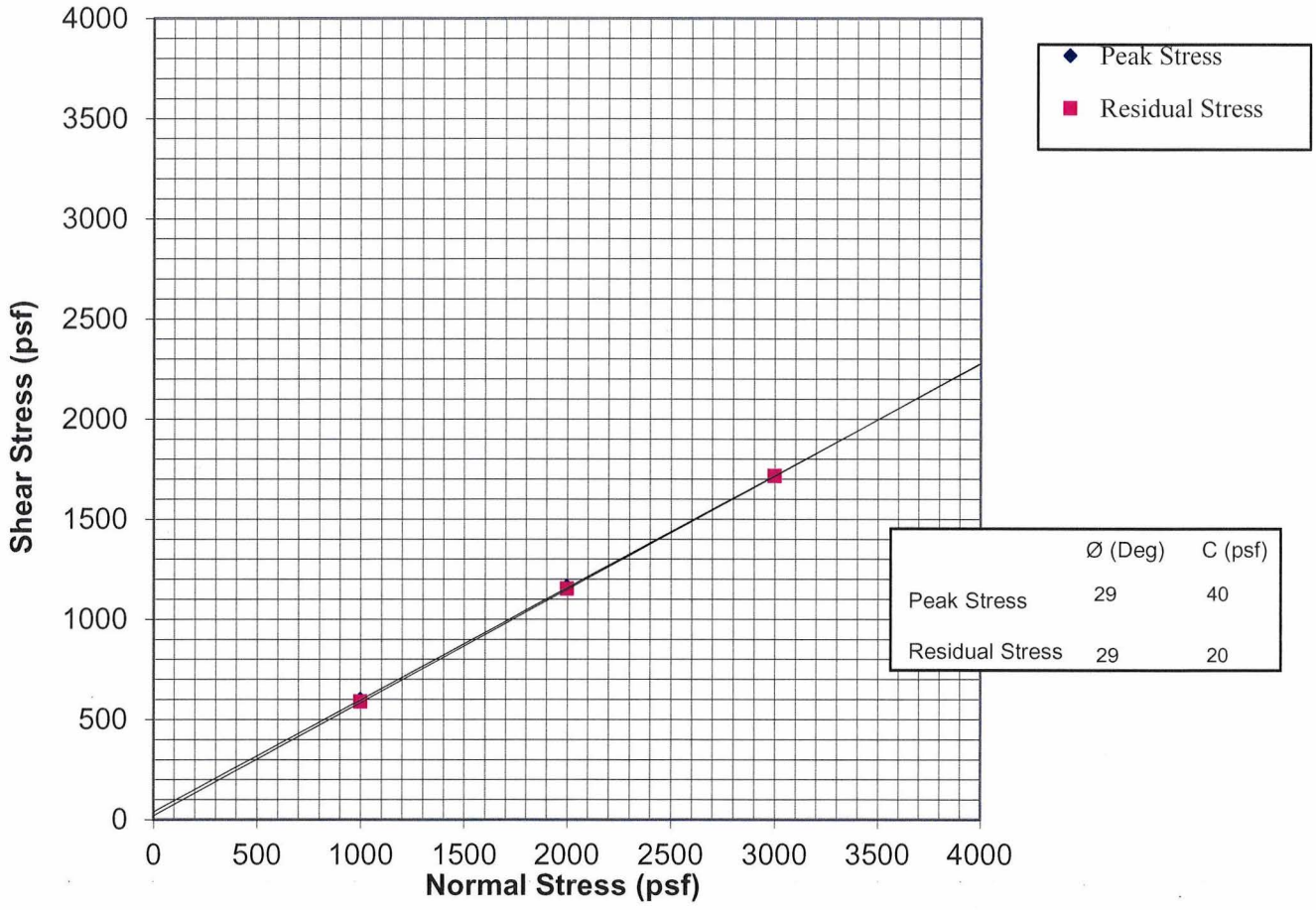
DIRECT SHEAR TEST

ASTM D3080

Plate A

Sample No.		T7@4'		
Sample Type:		Undisturbed-Saturated		
Soil Description:		Fine-Course Grained Sand w/ Some Small Gravel & T		
		1	2	3
Normal Stress	(psf)	1000	2000	3000
Peak Stress	(psf)	600	1164	1716
Displacement	(in.)	0.200	0.225	0.250
Residual Stress	(psf)	588	1152	1716
Displacement	(in.)	0.250	0.250	0.250
Initial Dry Density	(pcf)	101.0	101.0	101.0
Initial Water Content	(%)	1.6	1.6	1.6
Strain Rate	(in./min.)	0.020	0.020	0.020





	Ø (Deg)	C (psf)
Peak Stress	29	40
Residual Stress	29	20

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PROJECT NUMBER: 23312-22 DATE: 6/7/2022

DIRECT SHEAR TEST

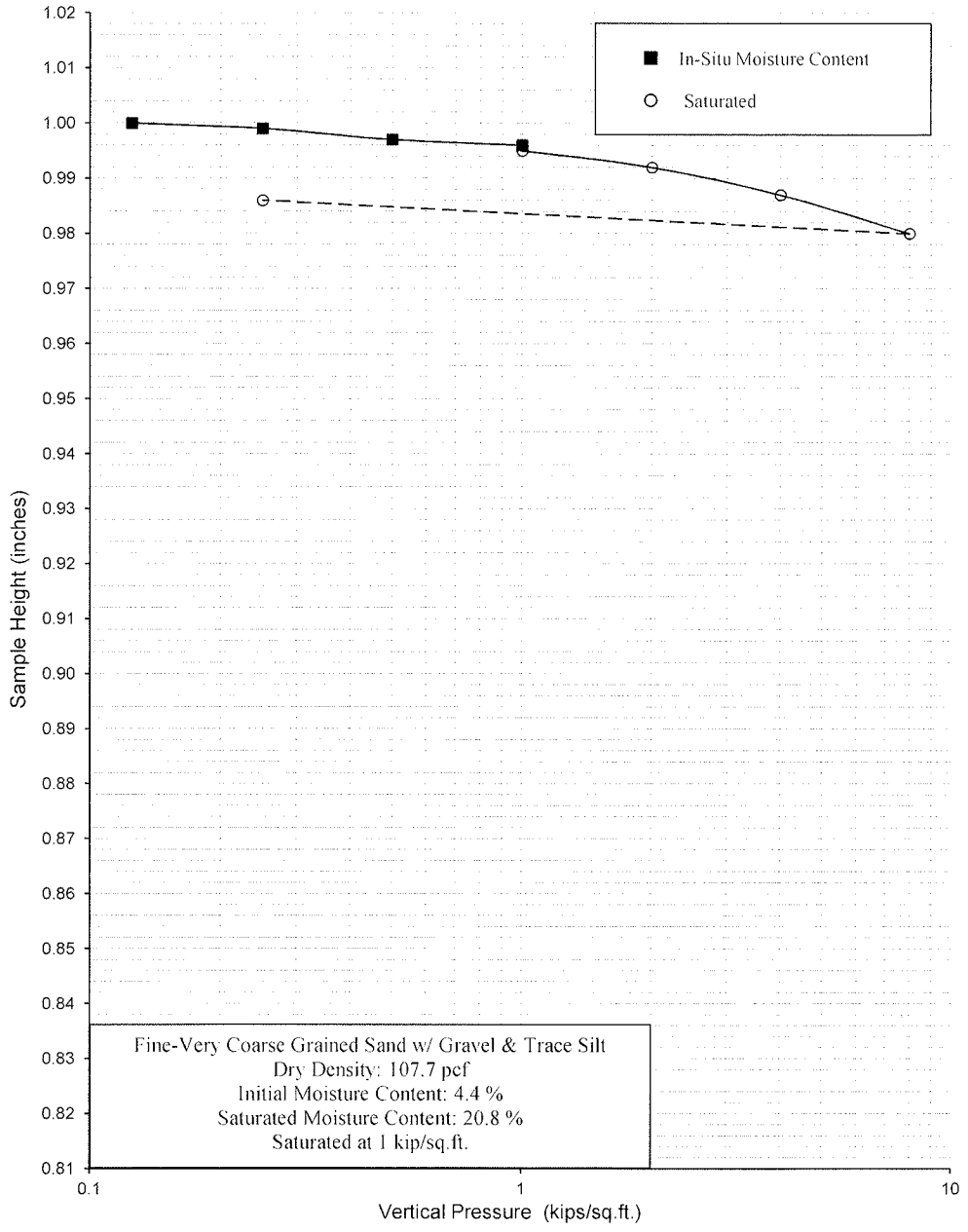
ASTM D3080

Plate B

Vertical Pressure (kips/sq.ft.)	Sample Height (inches)	Consolidation (percent)	
0.125	1.0000	0.0	
0.25	0.9990	0.1	
0.5	0.9970	0.3	
1	0.9960	0.4	
1	0.9950	0.5	
2	0.9920	0.8	
4	0.9870	1.3	
8	0.9800	2.0	Saturated
0.25	0.9860	1.4	

Date Tested:	6/2/2022
Sample:	B1
Depth:	5'

Sample No.	B1	Depth	5'	Date	6/7/2022



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PROJECT NUMBER: 23312-22 DATE: 6/7/2022

CONSOLIDATION TEST

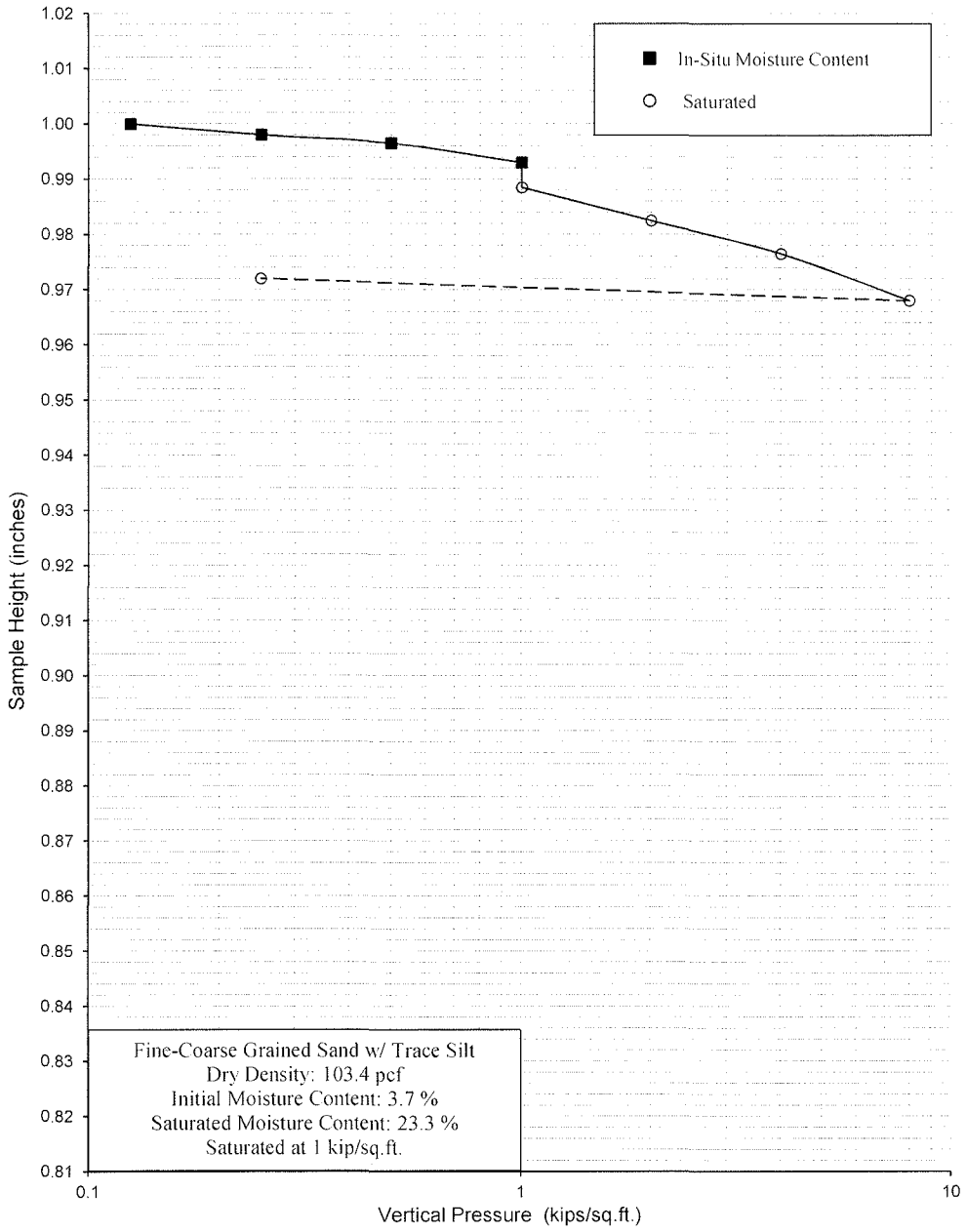
ASTM D2435

Plate C

Vertical Pressure (kips/sq.ft.)	Sample Height (inches)	Consolidation (percent)	
0.125	1.0000	0.0	
0.25	0.9980	0.2	
0.5	0.9965	0.4	
1	0.9930	0.7	
1	0.9885	1.2	Saturated
2	0.9825	1.8	
4	0.9765	2.4	
8	0.9680	3.2	
0.25	0.9720	2.8	

Date Tested:	**6/2/2022**
Sample:	**T6**
Depth:	**10'**

Sample No.	T6	Depth	10'	Date	6/7/2022



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PROJECT NUMBER: 23312-22 DATE: 6/7/2022

CONSOLIDATION TEST

ASTM D2435

Plate D

Appendix C
Seismic Design Report

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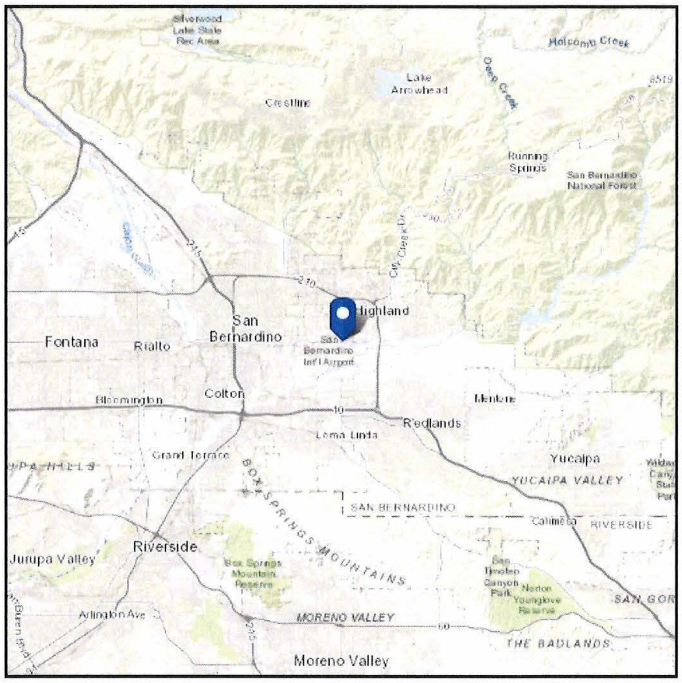
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-22
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 1144.16 ft (NAVD 88)
Latitude: 34.106934
Longitude: -117.225697





ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

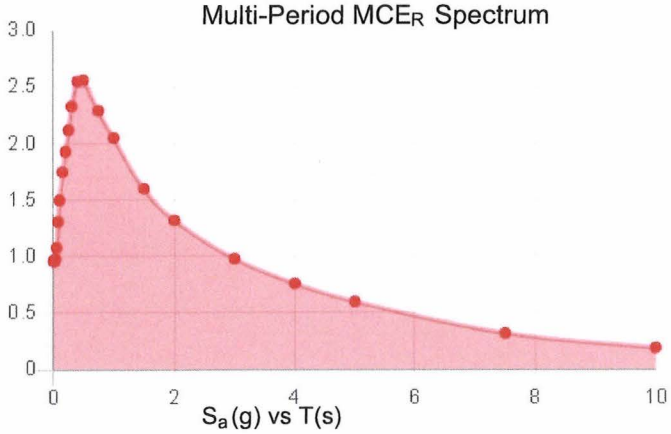
Seismic

Site Soil Class:

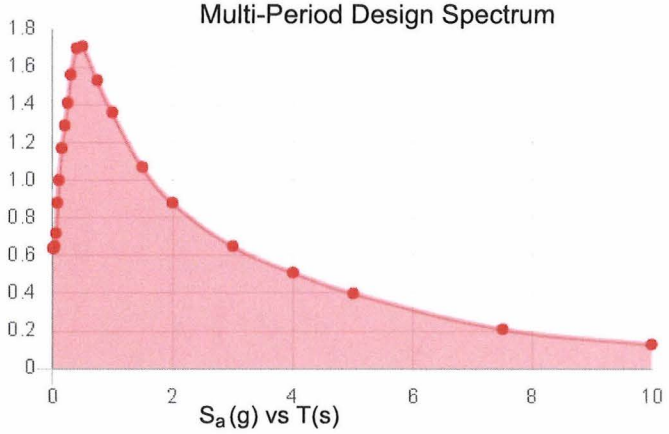
Results:

PGA_M :	0.8	T_L :	8
S_{MS} :	2.31	S_S :	2.38
S_{M1} :	2.73	S_1 :	0.93
S_{DS} :	1.54	S_{DC} :	
S_{D1} :	1.82	V_{S30} :	260

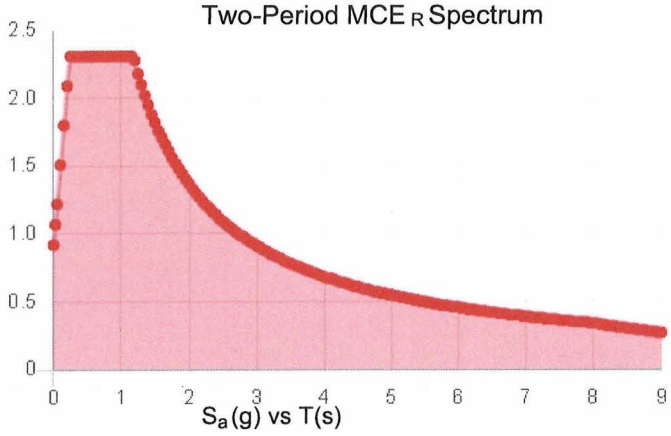
Multi-Period MCE_R Spectrum



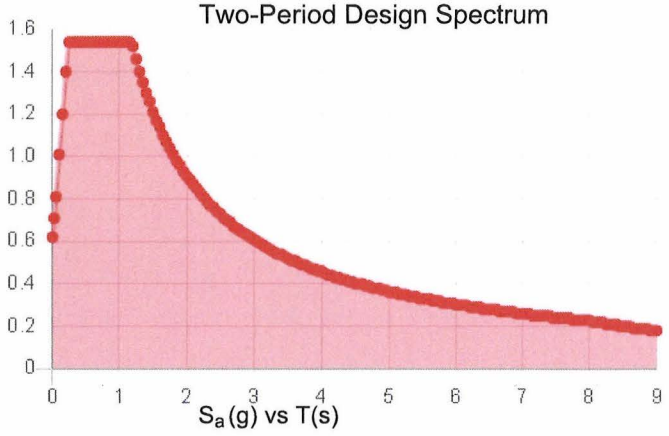
Multi-Period Design Spectrum



Two-Period MCE_R Spectrum



Two-Period Design Spectrum



MCE_R Vertical Response Spectrum

Vertical ground motion data has not yet been made available by USGS.

Design Vertical Response Spectrum

Vertical ground motion data has not yet been made available by USGS.

Data Accessed: Wed Jun 08 2022

Date Source:
USGS Seismic Design Maps based on ASCE/SEI 7-22 and ASCE/SEI 7-22 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-22 Ch. 21 are available from USGS.

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Appendix D
Soil Infiltration Data

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Project: Patriot Development Partners
Project No.: 23312-22
Date: 5/19/2022
Test No. 1
Depth: 10'
Tested By: J.S.

TIME (hr/min)	CHANGE TIME (min)	CUMULATIVE TIME (min)	INNER RING READING (cm)	INNER RING CHANGE	INNER RING FLOW (cc)	OUTER RING READING (cm)	OUTER RING CHANGE	OUTER RING FLOW (cc)	INNER RING INF RATE (cm/hr)	OUTER RING INF RATE (cm/hr)	INNER RING INF RATE (ft/hr)
10:21			70.0			41.4					
10:25	4	4	82.4	12.4		53.6	12.2				
10:25			69.2			39.8					
10:29	4	8	82.1	13.9		52.8	13.0				
10:29			68.2			39.7					
10:33	4	12	80.7	12.5		51.9	12.2				
10:33			69.8			40.9					
10:37	4	16	81.5	11.7		52.6	11.7				
10:37			68.0			39.0					
10:41	4	20	80.2	12.2		51.6	12.6				
10:41			68.2			39.4					
10:45	4	24	80.1	11.9		51.6	12.2				
10:45			69.1			39.6					
10:49	4	28	81.3	12.2		51.4	12.5		183.0	187.5	
10:49			68.2			39.8					
10:53	4	32	80.1	11.9		51.8	12.0		178.5	180.0	
10:53			68.3			39.6					
10:57	4	36	80.6	12.3		51.5	11.9		184.5	178.5	
10:57			68.7			39.2					
11:01	4	40	80.4	11.7		51.2	12.0		175.5	180.0	
11:01			69.1			39.4					
11:05	4	44	81.2	12.1		51.6	12.2		181.5	183.0	
11:05			68.3			39.7					
11:09	4	48	80.1	11.8		51.6	11.9		177.0	178.5	

Average = 180 / 181 cm/hr

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SOILS AND GEOTECHNICAL CONSULTANTS

Project: Patriot Development Partners
Project No.: 23312-22
Date: 5/19/2022
Test No. 2
Depth: 12'
Tested By: J.S.

TIME (hr/min)	CHANGE TIME (min)	CUMULATIVE TIME (min)	INNER RING READING (cm)	INNER RING CHANGE	INNER RING FLOW (cc)	OUTER RING READING (cm)	OUTER RING CHANGE	OUTER RING FLOW (cc)	INNER RING INF RATE (cm/hr)	OUTER RING INF RATE (cm/hr)	INNER RING INF RATE (ft/hr)
12:03			97.0			40.0					
12:04	1	1	104.6	7.6		47.5	7.5				
12:04			97.1			40.2					
12:05	1	2	104.8	7.7		47.9	7.7				
12:05			95.8			39.4					
12:06	1	3	102.8	7.0		45.8	6.4				
12:06			97.5			40.1					
12:07	1	4	104.7	7.2		46.6	6.5				
12:07			97.5			40.1					
12:08	1	5	104.5	7.0		47.0	6.9				
12:08			97.3			39.2					
12:09	1	6	104.0	6.7		45.5	6.3				
12:09			98.2			40.3					
12:10	1	7	105.3	7.1		47.2	6.9		426.0	414.0	
12:10			97.3			40.3					
12:11	1	8	104.7	7.4		47.5	7.2		444.0	432.0	
12:11			98.1			40.0					
12:12	1	9	105.1	7.0		46.9	6.9		420.0	414.0	
12:12			97.5			39.8					
12:13	1	10	104.4	6.9		46.8	7.0		414.0	420.0	
12:13			97.8			40.3					
12:14	1	11	104.9	7.1		47.1	6.8		426.0	408.0	
12:14			97.0			40.1					
12:15	1	12	104.0	7.0		47.0	6.9		420.0	414.0	

Average = 425 / 417 cm/hr

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Project: Patriot Development Partners
Project No.: 23312-22
Date: 5/19/2022
Test No. 3
Depth: 10'
Tested By: J.S.

TIME (hr/min)	CHANGE TIME (min)	CUMULATIVE TIME (min)	INNER RING READING (cm)	INNER RING CHANGE	INNER RING FLOW (cc)	OUTER RING READING (cm)	OUTER RING CHANGE	OUTER RING FLOW (cc)	INNER RING INF RATE (cm/hr)	OUTER RING INF RATE (cm/hr)	INNER RING INF RATE (ft/hr)
1:46			69.5			39.2					
1:49	3	3	80.5	11.0		50.5	11.3				
1:49			68.2			38.5					
1:52	3	6	78.7	10.5		49.0	10.5				
1:52			67.4			38.1					
1:55	3	9	76.7	9.3		47.4	9.3				
1:55			70.1			40.8					
1:58	3	12	78.5	8.4		48.8	8.0				
1:58			72.2			43.2					
2:01	3	15	79.4	7.2		50.2	7.0				
2:01			68.2			40.2					
2:04	3	18	75.7	7.5		47.5	7.3				
2:04			68.2			38.3					
2:07	3	21	75.3	7.1		45.3	7.0		142.0	140.0	
2:07			68.0			38.8					
2:10	3	24	74.9	6.9		46.0	7.2		138.0	144.0	
2:10			68.8			39.1					
2:13	3	27	75.9	7.1		46.0	6.9		142.0	138.0	
2:13			68.7			38.7					
2:16	3	30	75.7	7.0		45.6	6.9		140.0	138.0	
2:16			69.1			39.0					
2:19	3	33	76.0	6.9		46.0	7.0		138.0	140.0	
2:19			68.4			38.8					
2:22	3	36	75.4	7.0		45.9	7.1		140.0	142.0	

Average = 140 / 140 cm/hr

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Project: Patriot Development Partners
Project No.: 23312-22
Date: 5/19/2022
Test No. 4
Depth: 12'
Tested By: J.S.

TIME (hr/min)	CHANGE TIME (min)	CUMULATIVE TIME (min)	INNER RING READING (cm)	INNER RING CHANGE	INNER RING FLOW (cc)	OUTER RING READING (cm)	OUTER RING CHANGE	OUTER RING FLOW (cc)	INNER RING INF RATE (cm/hr)	OUTER RING INF RATE (cm/hr)	INNER RING INF RATE (ft/hr)
2:07			96.5			38.2					
2:09	2	2	104.4	7.9		49.9	11.7				
2:09			95.8			40.5					
2:11	2	4	104.0	8.2		48.2	7.7				
2:11			96.0			41.5					
2:13	2	6	103.1	7.1		48.2	6.7				
2:13			98.3			43.2					
2:15	2	8	104.6	6.3		49.7	6.5				
2:15			99.4			43.8					
2:17	2	10	105.0	5.6		49.5	5.7				
2:17			98.4			43.0					
2:19	2	12	103.2	4.8		47.8	4.8				
2:19			97.0			42.2					
2:21	2	14	102.2	5.2		47.3	5.1		156.0	153.0	
2:21			96.5			42.2					
2:23	2	16	103.0	6.5		47.8	5.6		195.0	168.0	
2:23			95.7			40.3					
2:25	2	18	101.5	5.8		45.8	5.5		174.0	165.0	
2:25			95.5			41.7					
2:27	2	20	100.7	5.2		47.4	5.7		156.0	171.0	
2:27			96.1			40.5					
2:29	2	22	101.6	5.5		45.8	5.3		165.0	159.0	
2:29			95.4			40.2					
2:31	2	24	101.1	5.7		45.8	5.6		171.0	168.0	

Average = 169.5 / 164 cm/hr

Appendix F

Water Quality Management Plan

Preliminary

Water Quality Management Plan

For:

5th at Victoria Industrial- Highland

WQP22-009

APN: 1192-551-01, 02, 03, 04, 05, 06, 07, 12, 13, 14 AND 15

Prepared for:

Patriot Development Partners

12126 West Sunset Blvd.

Los Angeles, CA 90049

858-952-4134

Prepared by:



Huitt-Zollars, Inc

3990 Concours, Suite 330

Ontario, CA 91764

909-941-7799

HZ Project # R315482.01

Submittal Date: 09/19/22

Revision Date: 10/12/22, 11/16/22

Approval Date:_____

Project Owner's Certification

Huitt-Zollars, Inc. The WQMP is intended to comply with the requirements of the City of Highland and the NPDES Areawide Stormwater Program requiring the preparation of a WQMP. The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with San Bernardino County's Municipal Storm Water Management Program and the intent of the NPDES Permit for San Bernardino County and the incorporated cities of San Bernardino County within the Santa Ana Region. Once the undersigned transfers its interest in the property, its successors in interest and the city/county shall be notified of the transfer. The new owner will be informed of its responsibility under this WQMP. A copy of the approved WQMP shall be available on the subject site in perpetuity.

"I certify under a penalty of law that the provisions (implementation, operation, maintenance, and funding) of the WQMP have been accepted and that the plan will be transferred to future successors."

Project Data			
Permit/Application Number(s):	CUP 022-012 WQP22-009	Grading Permit Number(s):	TBD
Tract/Parcel Map Number(s):	PM20621	Building Permit Number(s):	TBD
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			APN: 1192-551-01, 02, 03, 04, 05, 06, 07, 12, 13, 14 & 15

Owner's Signature			
Owner Name: Kevin Rice			
Title	Principal		
Company	Patriot Development Partners		
Address	12126 West Sunset Blvd. Los Angeles, CA 90049		
Email	kevin@patriotdevelopmentpartners.com		
Telephone #	858-952-4134		
Signature	**FINAL TO BE SIGNED**	Date	

Preparer's Certification

Project Data			
Permit/Application Number(s):	CUP 022-012 WQP22-009	Grading Permit Number(s):	TBD
Tract/Parcel Map Number(s):	PM20621	Building Permit Number(s):	TBD
CUP, SUP, and/or APN (Specify Lot Numbers if Portions of Tract):			APN: 1192-551-01, 02, 03, 04, 05, 06, 07, 12, 13, 14 &15

"The selection, sizing and design of stormwater treatment and other stormwater quality and quantity control measures in this plan were prepared under my oversight and meet the requirements of Regional Water Quality Control Board Order No. R8-2010-0036."

Engineer: Manuel Gonzales, PE		PE Stamp Below
Title	Project Manager	
Company	Huitt-Zollars, Inc	
Address	3990 Concours, Suite 330. Ontario, CA 91764	
Email	mgonzales@huitt-zollars.com	
Telephone #	909-941-7799	
Signature	**FINAL TO BE SIGNED**	
Date	08/04/2022	

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Attachment B – Supporting Calc's, Rainfall Data & Manufacturer's Details

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Attachment D – EPA Class V Injection Well Registration/ Infiltration Report/ Factor of Safety Worksheet H

Attachment E – Maintenance Agreement (will be provided in Final WQMP)

Section 1 Discretionary Permit(s)

Form 1-1 Project Information						
Project Name		5th at Victoria Industrial				
Project Owner Contact Name:		Kevin Rice, Principal				
Mailing Address:	12126 West Sunset Blvd. Los Angeles, CA 90049	E-mail Address:	kevin@patriotdevelopmentpartners.com		Telephone:	(858)-952-4134
Permit/Application Number(s):		CUP 022-012 WQP22-009		Tract/Parcel Map Number(s):	PM20621	
Additional Information/ Comments:		N/A				
Description of Project:		The project is a new development of a industrial warehouse facility located on the southeast corner of 5th Street at Victoria Avenue in the City of Highland, California. The site is currently undeveloped on the north of the site with scattered native brush. There is an existing trailer parking and storage facility on the southeast area of the project site. On the south side of the project site, there are residential structures. The proposed industrial warehouse building is approximately 176,066 square feet in size on approximately 7.23 net acres of land. However, the net area plus the new removal and replacement street area (mainly Victoria Ave and westerly strip on 5th Street) will be included in the overall infiltration treatment capacity. In addition, a separate treatment BMP using an ADS connector pipe screen is proposed to treat Victoria Ave. All on-site runoff will be collected by catch basins and conveyed to the on-site underground infiltration/ detention system on the west side of the project site for treatment. The underground system has been registered with the EPA as a Class V Injection Well (No. CA-20220929-JK-2610) and sized to treat the Design Capture Volume (DCV). Peak storm detention is not known to be required due to the existing public storm drain infrastructure. Once the infiltration chamber system reaches its capacity, the system will overflow via a 24-inch outlet that will discharge into an existing catch basin in Victoria Avenue. The treated overflow from the proposed project site will ultimately discharge to the City Creek Channel, Twin Creek Channel, Santa Ana River and finally enter to Prado Basin See WQMP site plan in Attachment A for drainage areas and facility locations.				
Provide summary of Conceptual WQMP conditions (if previously submitted and approved). Attach complete copy.		N/A				

Section 2 Project Description

2.1 Project Information

This section of the WQMP should provide the information listed below. The information provided for Conceptual/ Preliminary WQMP should give sufficient detail to identify the major proposed site design and LID BMPs and other anticipated water quality features that impact site planning. Final Project WQMP must specifically identify all BMP incorporated into the final site design and provide other detailed information as described herein.

The purpose of this information is to help determine the applicable development category, pollutants of concern, watershed description, and long-term maintenance responsibilities for the project, and any applicable water quality credits. This information will be used in conjunction with the information in Section 3, Site Description, to establish the performance criteria and to select the LID BMP or other BMP for the project or other alternative programs that the project will participate in, which are described in Section 4.

Form 2.1-1 Description of Proposed Project

1 Development Category (Select all that apply):

☐ Significant re-development involving the addition or replacement of 5,000 ft² or more of impervious surface on an already developed site	☒ New development involving the creation of 10,000 ft² or more of impervious surface collectively over entire site	☐ Automotive repair shops with standard industrial classification (SIC) codes 5013, 5014, 5541, 7532- 7534, 7536-7539	☐ Restaurants (with SIC code 5812) where the land area of development is 5,000 ft² or more
☐ Hillside developments of 5,000 ft² or more which are located on areas with known erosive soil conditions or where the natural slope is 25 percent or more	☐ Developments of 2,500 ft² of impervious surface or more adjacent to (within 200 ft) or discharging directly into environmentally sensitive areas or waterbodies listed on the CWA Section 303(d) list of impaired waters.	☒ Parking lots of 5,000 ft² or more exposed to storm water	☐ Retail gasoline outlets that are either 5,000 ft² or more, or have a projected average daily traffic of 100 or more vehicles per day

☐ Non-Priority / Non-Category Project *May require source control LID BMPs and other LIP requirements. Please consult with local jurisdiction on specific requirements*.

2 Project Area (ft2):	340,680 26,585 Victoria	**3** Number of Dwelling Units:	N/A	**4** SIC Code:	4225

5 Is Project going to be phased? Yes ☐ No ☒ *If yes, ensure that the WQMP evaluates each phase as a distinct DA, requiring LID BMPs to address runoff at time of completion.*

6 Does Project include roads? Yes ☐ No ☒ *If yes, ensure that applicable requirements for transportation projects are addressed (see Appendix A of TGD for WQMP)*

2.2 Property Ownership/Management

Describe the ownership/management of all portions of the project and site. State whether any infrastructure will transfer to public agencies (City, County, Caltrans, etc.) after project completion. State if a homeowners or property owners association will be formed and be responsible for the long-term maintenance of project stormwater facilities. Describe any lot-level stormwater features that will be the responsibility of individual property owners.

Form 2.2-1 Property Ownership/Management

Describe property ownership/management responsible for long-term maintenance of WQMP stormwater facilities:

This property is being developed and owned by Patriot Development Partners, who will be the entity responsible for long term maintenance of WQMP Storm Drain Water Facilities throughout the site.

Owner/ Developer Name: Patriot Development Partners

Address: 12126 W.Sunset Blvd. Los Angeles, CA 90049
Contact Person: Kevin Rice

Phone: 858-952-4134

2.3 Potential Stormwater Pollutants

Determine and describe expected stormwater pollutants of concern based on land uses and site activities (refer to Table 3-3 in the TGD for WQMP).

Form 2.3-1 Pollutants of Concern			
Pollutant	Please check: E=Expected, N=Not Expected		Additional Information and Comments
Pathogens (Bacterial / Virus)	E ☒	N ☐	Pathogens are typically caused by the transport of animal or human fecal wastes from the watershed.
Nutrients - Phosphorous	E ☒	N ☐	Primary sources of nutrients in urban runoff are fertilizers and eroded soils.
Nutrients - Nitrogen	E ☒	N ☐	Primary sources of nutrients in urban runoff are fertilizers and eroded soils.
Noxious Aquatic Plants	E ☐	N ☒	Noxious aquatic plants are typically from animals or vehicle transport that grow aggressively, multiply quickly without natural controls (native herbivores, soil chemistry, etc.), and adversely affect native habitats.
Sediment	E ☒	N ☐	Sediments are solid materials that are eroded from the land surface.
Metals	E ☒	N ☐	The primary source of metal pollution in stormwater is typically commercially available metals and metal products, as well as emissions from brake pad and tire tread wear associated with driving.
Oil and Grease	E ☒	N ☐	Primary sources of oil and grease are petroleum hydrocarbon products, motor products from leaking vehicles, esters, oils, fats, waxes, and high molecular-weight fatty acids.
Trash/Debris	E ☒	N ☐	Trash (such as paper, plastic, polystyrene packing foam, and aluminum materials) and biodegradable organic matter (such as leaves, grass cuttings, and food waste) are general waste from human or animals
Pesticides / Herbicides	E ☒	N ☐	Pesticides and herbicides can be washed off urban landscapes during storm events.
Organic Compounds	E ☒	N ☐	Sources of organic compounds may include waste handling areas and vehicle or landscape maintenance areas.
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	
Other:	E ☐	N ☐	

2.4 Water Quality Credits

A water quality credit program is applicable for certain types of development projects if it is not feasible to meet the requirements for on-site LID. Proponents for eligible projects, as described below, can apply for water quality credits that would reduce project obligations for selecting and sizing other treatment BMP or participating in other alternative compliance programs. Refer to Section 6.2 in the TGD for WQMP to determine if water quality credits are applicable for the project.

Form 2.4-1 Water Quality Credits

1 Project Types that Qualify for Water Quality Credits: *Select all that apply*			
☐ Redevelopment projects that reduce the overall impervious footprint of the project site. [Credit = % impervious reduced]	Higher density development projects ☐ Vertical density [20%] ☐ 7 units/ acre [5%]	☐ Mixed use development, (combination of residential, commercial, industrial, office, institutional, or other land uses which incorporate design principles that demonstrate environmental benefits not realized through single use projects) [20%]	☐ Brownfield redevelopment (redevelop real property complicated by presence or potential of hazardous contaminants) [25%]
☐ Redevelopment projects in established historic district, historic preservation area, or similar significant core city center areas [10%]	☐ Transit-oriented developments (mixed use residential or commercial area designed to maximize access to public transportation) [20%]	☐ In-fill projects (conversion of empty lots & other underused spaces < 5 acres, substantially surrounded by urban land uses, into more beneficially used spaces, such as residential or commercial areas) [10%]	☐ Live-Work developments (variety of developments designed to support residential and vocational needs) [20%]
2 Total Credit % 0 *(Total all credit percentages up to a maximum allowable credit of 50 percent)*			
Description of Water Quality Credit Eligibility (if applicable)	N/A		

Section 3 Site and Watershed Description

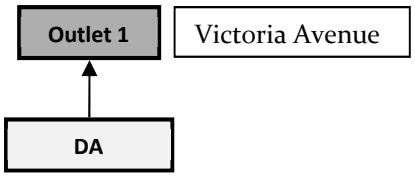
Describe the project site conditions that will facilitate the selection of BMP through an analysis of the physical conditions and limitations of the site and its receiving waters. Identify distinct drainage areas (DA) that collect flow from a portion of the site and describe how runoff from each DA (and sub-watershed DMAs) is conveyed to the site outlet(s). Refer to Section 3.2 in the TGD for WQMP. The form below is provided as an example. Then complete Forms 3.2 and 3.3 for each DA on the project site. ***If the project has more than one drainage area for stormwater management, then complete additional versions of these forms for each DA / outlet.***

Form 3-1 Site Location and Hydrologic Features

Site coordinates *take GPS measurement at approximate center of site*	Latitude 34.1081	Longitude -117.2259	

1 San Bernardino County climatic region: ☒ Valley ☐ Mountain

2 Does the site have more than one drainage area (DA): Yes☐ No☒ *If no, proceed to Form 3-2. If yes, then use this form to show a conceptual schematic describing DMAs and hydrologic feature connecting DMAs to the site outlet(s). An example is provided below that can be modified for proposed project or a drawing clearly showing DMA and flow routing may be attached*



Conveyance	Briefly describe on-site drainage features to convey runoff that is not retained within a DMA
DA1 to Outlet 1	Runoff from the area DA 1 will be directed to a proposed underground infiltration/detention system on the west side of the project site. The design capture volume (DCV) will be treated through infiltration. Excess storm volume above the DCV will overflow via a 24-inch outlet that will discharge into an existing catch basin in Victoria Avenue. See the WQMP Site map in Attachment A.

Form 3-2 Existing Hydrologic Characteristics for Drainage Area 1

For Drainage Area 1's sub-watershed DMA, provide the following characteristics	DMA 1	DMA B	DMA C	DMA D
1 DMA drainage area (ft^2)	340,680	N/A	N/A	N/A
2 Existing site impervious area (ft^2)	56,108	N/A	N/A	N/A
3 Antecedent moisture condition *For desert areas, use http://www.sbcounty.gov/dpw/floodcontrol/pdf/20100412_map.pdf*	AMC III	N/A	N/A	N/A
4 Hydrologic soil group *Refer to Watershed Mapping Tool – http://permitrack.sbcounty.gov/wap/*	A	N/A	N/A	N/A
5 Longest flowpath length (ft)	940	N/A	N/A	N/A
6 Longest flowpath slope (ft/ft)	0.007	N/A	N/A	N/A
7 Current land cover type(s) *Select from Fig C-3 of Hydrology Manual*	Barren/Some Structures	N/A	N/A	N/A
8 Pre-developed pervious area condition: *Based on the extent of wet season vegetated cover good >75%; Fair 50-75%; Poor <50% Attach photos of site to support rating*	Poor	N/A	N/A	N/A

Form 3-3 Watershed Description for Drainage Area

Receiving waters *Refer to Watershed Mapping Tool - http://permitrack.sbcounty.gov/wap/ See 'Drainage Facilities" link at this website*	City Creek Channel, Twin Creek Channel, Santa Ana Reach 5, Santa Ana Reach 4, Santa Ana Reach 3, Prado Control basin, Santa Ana Reach 2, Santa Ana Reach 1, and Pacific Ocean.
Applicable TMDLs *Refer to Local Implementation Plan*	Santa Ana River Reach 3: pathogens, nitrate.
303(d) listed impairments *Refer to Local Implementation Plan and Watershed Mapping Tool – http://permitrack.sbcounty.gov/wap/ and State Water Resources Control Board website – http://www.waterboards.ca.gov/santaana/water_issues/programs/tmdl/index.shtml*	Santa Ana Reach 2: bacteria indicator. Santa Ana Reach 3: copper, lead, pathogens. Santa Ana Reach 4: pathogens. Prado Control Basin: nutrients, pathogens, TSS.
Environmentally Sensitive Areas (ESA) *Refer to Watershed Mapping Tool – http://permitrack.sbcounty.gov/wap/*	None
Unlined Downstream Water Bodies *Refer to Watershed Mapping Tool – http://permitrack.sbcounty.gov/wap/*	City Creek Twin Creek Channel Santa Ana River
Hydrologic Conditions of Concern	☐ Yes *Complete Hydrologic Conditions of Concern (HCOC) Assessment. Include Forms 4.2-2 through Form 4.2-5 and Hydromodification BMP Form 4.3-10 in submittal* ☒ No
Watershed–based BMP included in a RWQCB approved WAP	☐ Yes *Attach verification of regional BMP evaluation criteria in WAP* • *More Effective than On-site LID* • *Remaining Capacity for Project DCV* • *Upstream of any Water of the US* • *Operational at Project Completion* • *Long-Term Maintenance Plan* ☒ No

Section 4 Best Management Practices (BMP)

4.1 Source Control BMP

4.1.1 Pollution Prevention

Non-structural and structural source control BMP are required to be incorporated into all new development and significant redevelopment projects. Form 4.1-1 and 4.1-2 are used to describe specific source control BMPs used in the WQMP or to explain why a certain BMP is not applicable. Table 7-3 of the TGD for WQMP provides a list of applicable source control BMP for projects with specific types of potential pollutant sources or activities. The source control BMP in this table must be implemented for projects with these specific types of potential pollutant sources or activities.

The preparers of this WQMP have reviewed the source control BMP requirements for new development and significant redevelopment projects. The preparers have also reviewed the specific BMP required for project as specified in Forms 4.1-1 and 4.1-2. All applicable non-structural and structural source control BMP shall be implemented in the project.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N1	Education of Property Owners, Tenants and Occupants on Stormwater BMPs	☒	☐	Property owners shall review and become familiar with the site specific WQMP. Educational materials for day to day operations are contained in Attachment C. Additional materials can be obtained from the local water pollution prevention program. Education of property owners begin with the review/preparation of the site specific WQMP and continues through the review of additional educational material as it applies to their project.
N2	Activity Restrictions	☒	☐	Activity restriction shall be stated in the owners lease terms prior to occupancy; • Fuelling areas, air/water supply areas, maintenance bays, vehicle washing areas, outdoor material storage areas, outdoor work areas, outdoor processing areas, wash water from food preparation areas within the project site will not be allowed on the project site. • Storage of hazardous materials will not be allowed on the project site. • All pesticide applications shall be performed by a licensed contractor certified by the California Department of Pesticide Regulation. • All dumpster lids shall be kept closed at all times. • Blowing, Sweeping or hosing of debris (leaf, litter, grass clippings, trash or debris) into the streets, underground stormdrain facilities or other storm water conveyance areas shall be strictly prohibited
N3	Landscape Management BMPs	☒	☐	A landscape architect will provide design plans for the on-site landscaping and irrigation system. The design shall incorporate the use of native and drought tolerant trees and shrubs throughout the project site.
N4	BMP Maintenance	☒	☐	Property owners shall maintain the designated on-site BMP areas, see Section 5 for self inspection and maintenance form
N5	Title 22 CCR Compliance (How development will comply)	☐	☒	Industrial purposed warehouse does not apply to Title 22 CCR (California Code of Regulations). CCR licensing in child care, residential and family child care.
N6	Local Water Quality Ordinances	☒	☐	Local Water Quality Ordinances will be addressed by implementation of this WQMP

Form 4.1-1 Non-Structural Source Control BMPs				
N7	Spill Contingency Plan	☒	☐	Industrial Warehouse buildings and truck dock areas have potential for spills and therefore each tenant shall be required to prepare a spill contingency plan and it shall be implemented in accordance with section 6.95 of the California Health and Safety Code. The spill contingency plan shall identify responsible persons in the event of a spill, an action item list identifying how the spill should be contained, cleaned up and who should be contacted in the event of a spill. Documentation of any spill event and cleanup process shall be kept on site in perpetuity.
N8	Underground Storage Tank Compliance	☐	☒	No underground storage tanks are proposed for this site
N9	Hazardous Materials Disclosure Compliance	☐	☒	No hazardous materials are planned to be stored on this site.

Form 4.1-1 Non-Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, if not applicable, state reason
		Included	Not Applicable	
N10	Uniform Fire Code Implementation	☒	☐	Underground fire protection service and fire sprinklers will be provided per the uniform fire code and the requirements of the County of San Bernardino Fire Department.
N11	Litter/Debris Control Program	☒	☐	Trash storage areas will be designed to have adjacent areas drain away from the trash storage areas. The trash storage areas shall be inspected and maintained on a monthly basis. Collection of trash from the trash storage areas shall occur on a regular basis to ensure that the trash receptacles are not overflowing. Documentation of such inspection/maintenance and trash collection shall be kept by the owner in perpetuity. See the WQMP site map in Attachment A for anticipated location of trash storage areas.
N12	Employee Training	☒	☐	The following shall be provided to the tentant by the onwer; an Employee Training/Education program shall be provided annually to help educate employees about storm water quality management and practices that help prevent storm water pollution. Documentation of such training/education program implementation shall be kept by the owner for a minimum of ten years. Sample education materials have been provided in Attachment C. Additional educational materials can be obtained from the County of San Bernardino storm water program.
N13	Housekeeping of Loading Docks	☒	☐	The project site will have truck docks. The truck docks shall be inspected on a weekly basis to help ensure that any trash and debris are collected prior to being washed into the underground storm drain system. All storm water runoff from the loading dock areas will be discharged into the underground infiltration system prior to conveyance to the public storm drain system. Documentation of such inspection/maintenance shall be kept by the owner in perpetuity.
N14	Catch Basin Inspection Program	☒	☐	The on-site catch basins shall be inspected on a quarterly basis. Inspection of the on-site catch basins shall consist of visual inspection of any sediment, trash or debris collected in the bottom of each catch basin. Any sediment, trash or debris found shall be removed from the catch basins and disposed of in a legal manner. Documentation of such inspection/maintenance shall be kept by the owner in perpetuity.

N15	Vacuum Sweeping of Private Streets and Parking Lots	☒	☐	The on-site parking lots, drive aisles, and loading dock areas shall be swept by sweeper truck on a monthly basis. Documentation of such sweeping shall be kept by the owner in perpetuity. Frequency of sweeping shall be adjusted as needed to maintain a clean site.
N16	Other Non-structural Measures for Public Agency Projects	☐	☒	None, not a public agency project.
N17	Comply with all other applicable NPDES permits	☒	☐	General construction permit "SWRCB Orders No. 2009-009-DWQ as amended by Order 2010-0014-DWQ"

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, If not applicable, state reason
		Included	Not Applicable	
S1	Provide storm drain system stencilling and signage (CASQA New Development BMP Handbook SD-13)	☒	☐	The on-site storm drain catch basins shall be stenciled with the phrase "Drains to River" or other approved language. The signage shall be inspected on an annual basis. Missing or faded signage shall be replaced. Documentation of such inspection/maintenance shall be kept by the owner in perpetuity.
S2	Design and construct outdoor material storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-34)	☐	☒	No outdoor material storage areas are proposed for this site
S3	Design and construct trash and waste storage areas to reduce pollution introduction (CASQA New Development BMP Handbook SD-32)	☒	☐	Trash storage areas will be designed to have adjacent areas drain away from the trash storage areas. The trash storage areas shall be inspected and maintained on a weekly basis. Collection of trash from the trash storage areas shall occur on a regular basis to ensure that the trash receptacles are not overflowing. Documentation of such inspection/maintenance and trash collection shall be kept by the owner in perpetuity. See the WQMP site map in Attachment A for anticipated location of trash storage areas.
S4	Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control (State-wide Model Landscape Ordinance; CASQA New Development BMP Handbook SD-12)	☒	☐	The landscape architect will follow CASQA SD-12 for design and provide design plans for the on-site irrigation system. The irrigation system shall be inspected on a monthly basis to ensure proper operation. Any broken sprinkler heads shall be repaired immediately to ensure that the system continues to operate efficiently. Documentation of such inspection/maintenance shall be kept by the owner in perpetuity.
S5	Finish grade of landscaped areas at a minimum of 1-2 inches below top of curb, sidewalk, or pavement	☒	☐	The landscape architect will provide design plans for the on-site landscaping and irrigation system. The design shall incorporate that finish grade of landsapced areas at a minimum of 1-2 inches below top of curb, sidewalk, or pavement throughout the project site.
S6	Protect slopes and channels and provide energy dissipation (CASQA New Development BMP Handbook SD-10)	☒	☐	All on-site slopes shall be designed with a minimum slope of 3 horizontal to 1 vertical to help ensure that erosion of the side slopes does not occur. The slopes will be landscaped appropriately to also help ensure that erosion of the slopes does not occur. Slopes will be inspected and maintained bi-annually. Documentation of such inspection/maintenance shall be kept by the owner in perpetuity.

S7	Covered dock areas (CASQA New Development BMP Handbook SD-31)	☐	☒	Docks are not covered
S8	Covered maintenance bays with spill containment plans (CASQA New Development BMP Handbook SD-31)	☐	☒	No maintenance bays are planned for this site.
S9	Vehicle wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	No vehicle wash area are planned for this site.
S10	Covered outdoor processing areas (CASQA New Development BMP Handbook SD-36)	☐	☒	No outdoor processing areas are planned for this site.

Form 4.1-2 Structural Source Control BMPs

Identifier	Name	Check One		Describe BMP Implementation OR, If not applicable, state reason
		Included	Not Applicable	
S11	Equipment wash areas with spill containment plans (CASQA New Development BMP Handbook SD-33)	☐	☒	No equipment wash areas are planned for this site.
S12	Fueling areas (CASQA New Development BMP Handbook SD-30)	☐	☒	No fueling areas are planned for this site.
S13	Hillside landscaping (CASQA New Development BMP Handbook SD-10)	☐	☒	No hillside landscaping are planned in this site.
S14	Wash water control for food preparation areas	☐	☒	Food preparation areas are not planned for this site.
S15	Community car wash racks (CASQA New Development BMP Handbook SD-33)	☐	☒	No community car wash rack are planned for this site.

4.1.2 Preventative LID Site Design Practices

Site design practices associated with new LID requirements in the MS4 Permit should be considered in the earliest phases of a project. Preventative site design practices can result in smaller DCV for LID BMP and hydromodification control BMP by reducing runoff generation. Describe site design and drainage plan including:

- A narrative of site design practices utilized or rationale for not using practices
- A narrative of how site plan incorporates preventive site design practices
- Include an attached Site Plan layout which shows how preventative site design practices are included in WQMP

Refer to Section 5.2 of the TGD for WQMP for more details.

Form 4.1-3 Preventative LID Site Design Practices Checklist

Site Design Practices *If yes, explain how preventative site design practice is addressed in project site plan. If no, other LID BMPs must be selected to meet targets*
Minimize impervious areas: Yes ☐ No ☒ Explanation: The developer has provided the landscape percentage required by the City. The underground infiltration/detention system is sized to meet the BMP requirements.
Maximize natural infiltration capacity: Yes ☒ No ☐ Explanation: All on-site runoff direct to an underground infiltration/detention system to promote groundwater recharge.
Preserve existing drainage patterns and time of concentration: Yes ☒ No ☐ Explanation: Existing runoff sheet flows in a southwesterly direction and discharges to Victoria Avenue just north of 3rd Street. This drainage pattern will be maintained in the proposed condition. The proposed runoff will be collected and conveyed to an on-site underground infiltration/detention system, and the overflow will discharge to a proposed parkway culvert on Victoria Ave; the detention system will increase the time of concentration.
Disconnect impervious areas: Yes ☐ No ☒ Explanation: The building roof drains along the southerly side will be directly connected to the on-site storm drain system.
Protect existing vegetation and sensitive areas: Yes ☐ No ☒ Explanation: The site has no sensitive vegetation to protect. The planting of new vegetation will be occur throughout the site.
Re-vegetate disturbed areas: Yes ☒ No ☐ Explanation: All proposed landscape areas will be vegetated for stablization.
Minimize unnecessary compaction in stormwater retention/infiltration basin/trench areas: Yes ☒ No ☐ Explanation: The soils at the bottom of proposed infiltration/detention system will be leveled, but not compacted.
Utilize vegetated drainage swales in place of underground piping or imperviously lined swales: Yes ☐ No ☒ Explanation: Due to the site layout and designed grades, no vegetated drainage swales will be utilized in the proposed design.
Stake off areas that will be used for landscaping to minimize compaction during construction : Yes ☒ No ☐ Explanation: Landscaped areas will be staked off during grading operation throughout the project site.

4.2 Project Performance Criteria

The purpose of this section of the Project WQMP is to establish targets for post-development hydrology based on performance criteria specified in the MS4 Permit. These targets include runoff volume for water quality control (referred to as LID design capture volume), and runoff volume, time of concentration, and peak runoff for protection of any downstream waterbody segments with a HCOC. If the project has more than one outlet for stormwater runoff, then complete additional versions of these forms for each DA / outlet.

Methods applied in the following forms include:

- For LID BMP Design Capture Volume (DCV), the San Bernardino County Stormwater Program requires use of the P_6 method (MS4 Permit Section XI.D.6a.ii) – Form 4.2-1
- For HCOC pre- and post-development hydrologic calculation, the San Bernardino County Stormwater Program requires the use of the Rational Method (San Bernardino County Hydrology Manual Section D). Forms 4.2-2 through Form 4.2-5 calculate hydrologic variables including runoff volume, time of concentration, and peak runoff from the project site pre- and post-development using the Hydrology Manual Rational Method approach. For projects greater than 640 acres (1.0 mi^2), the Rational Method and these forms should not be used. For such projects, the Unit Hydrograph Method (San Bernardino County Hydrology Manual Section E) shall be applied for hydrologic calculations for HCOC performance criteria.

Refer to Section 4 in the TGD for WQMP for detailed guidance and instructions.

Form 4.2-1 LID BMP Performance Criteria for Design Capture Volume (DA 1)

1 Project area DA 1 (ft^2): 340,680	**2** Imperviousness after applying preventative site design practices (Imp%): 0.84	**3** Runoff Coefficient (Rc): 0.65 *$R_c = 0.858(Imp\%)^{\wedge 3}-0.78(Imp\%)^{\wedge 2}+0.774(Imp\%)+0.04$*
4 Determine 1-hour rainfall depth for a 2-year return period $P_{2yr\text{-}1hr}$ (in): 0.519 http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html		
5 Compute P_6, Mean 6-hr Precipitation (inches): 0.768 *P_6 = Item 4 *C_1, where C_1 is a function of site climatic region specified in Form 3-1 Item 1 (Valley = 1.4807; Mountain = 1.909; Desert = 1.2371)*		
6 Drawdown Rate *Use 48 hours as the default condition. Selection and use of the 24-hour drawdown time condition is subject to approval by the local jurisdiction. The necessary BMP footprint is a function of drawdown time. While shorter drawdown times reduce the performance criteria for LID BMP design capture volume, the depth of water that can be stored is also reduced.*		24-hrs ☐ 48-hrs ☒
7 Compute design capture volume, DCV (ft^3): 27,766 cf *DCV = 1/12 * [Item 1* Item 3 *Item 5 * C_2], where C_2 is a function of drawdown rate (24-hr = 1.582; 48-hr = 1.963)* *Compute separate DCV for each outlet from the project site per schematic drawn in Form 3-1 Item 2*		

- **5th street, Victoria Avenue**

NOAA Atlas 14, Volume 6, Version 2
Location name: Highland, California, USA*
Latitude: 34.1081°, Longitude: -117.2259°
Elevation: 1146.65 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.103 (0.085-0.125)	0.135 (0.112-0.164)	0.179 (0.148-0.218)	0.215 (0.177-0.265)	0.266 (0.211-0.339)	0.307 (0.239-0.399)	0.350 (0.265-0.466)	0.395 (0.291-0.542)	0.459 (0.324-0.657)	0.511 (0.348-0.757)
10-min	0.147 (0.122-0.179)	0.194 (0.161-0.235)	0.256 (0.212-0.312)	0.308 (0.253-0.379)	0.382 (0.303-0.486)	0.440 (0.342-0.572)	0.501 (0.380-0.668)	0.566 (0.417-0.777)	0.658 (0.464-0.942)	0.732 (0.499-1.09)
15-min	0.178 (0.148-0.216)	0.234 (0.194-0.285)	0.310 (0.257-0.378)	0.373 (0.306-0.459)	0.462 (0.367-0.587)	0.532 (0.414-0.692)	0.606 (0.459-0.808)	0.685 (0.504-0.939)	0.796 (0.561-1.14)	0.885 (0.603-1.31)
30-min	0.268 (0.223-0.326)	0.353 (0.293-0.429)	0.466 (0.386-0.569)	0.562 (0.461-0.691)	0.695 (0.552-0.885)	0.802 (0.623-1.04)	0.913 (0.692-1.22)	1.03 (0.759-1.42)	1.20 (0.846-1.72)	1.33 (0.908-1.98)
60-min	0.394 (0.328-0.479)	0.519 (0.431-0.631)	0.686 (0.568-0.836)	0.826 (0.678-1.01)	1.02 (0.812-1.30)	1.18 (0.916-1.53)	1.34 (1.02-1.79)	1.52 (1.12-2.08)	1.76 (1.24-2.52)	1.96 (1.34-2.91)
2-hr	0.565 (0.470-0.686)	0.728 (0.605-0.885)	0.945 (0.783-1.15)	1.12 (0.923-1.38)	1.37 (1.09-1.75)	1.57 (1.22-2.04)	1.77 (1.34-2.35)	1.97 (1.45-2.71)	2.26 (1.60-3.24)	2.49 (1.70-3.69)
3-hr	0.693 (0.576-0.841)	0.886 (0.736-1.08)	1.14 (0.945-1.39)	1.35 (1.11-1.66)	1.64 (1.30-2.09)	1.87 (1.45-2.42)	2.10 (1.59-2.79)	2.34 (1.72-3.20)	2.66 (1.88-3.81)	2.92 (1.99-4.33)
6-hr	0.966 (0.803-1.17)	1.23 (1.02-1.49)	1.58 (1.31-1.92)	1.86 (1.53-2.28)	2.24 (1.78-2.85)	2.54 (1.97-3.30)	2.84 (2.15-3.79)	3.16 (2.32-4.33)	3.58 (2.53-5.12)	3.91 (2.66-5.79)
12-hr	1.28 (1.06-1.55)	1.64 (1.36-2.00)	2.12 (1.75-2.58)	2.50 (2.06-3.08)	3.03 (2.40-3.85)	3.43 (2.66-4.45)	3.83 (2.90-5.11)	4.25 (3.13-5.82)	4.81 (3.39-6.88)	5.24 (3.57-7.76)
24-hr	1.73 (1.53-1.99)	2.25 (1.99-2.60)	2.94 (2.59-3.40)	3.50 (3.06-4.08)	4.25 (3.60-5.12)	4.82 (4.00-5.93)	5.40 (4.38-6.81)	6.00 (4.73-7.77)	6.80 (5.15-9.17)	7.42 (5.43-10.3)
2-day	2.13 (1.88-2.45)	2.81 (2.49-3.24)	3.71 (3.27-4.29)	4.44 (3.89-5.18)	5.44 (4.61-6.56)	6.22 (5.16-7.64)	7.00 (5.67-8.82)	7.81 (6.16-10.1)	8.91 (6.74-12.0)	9.77 (7.15-13.6)
3-day	2.31 (2.04-2.66)	3.08 (2.72-3.55)	4.11 (3.62-4.75)	4.95 (4.33-5.77)	6.11 (5.17-7.36)	7.01 (5.82-8.62)	7.94 (6.43-9.99)	8.90 (7.01-11.5)	10.2 (7.73-13.8)	11.2 (8.23-15.7)
4-day	2.48 (2.19-2.85)	3.33 (2.95-3.84)	4.47 (3.94-5.17)	5.41 (4.74-6.31)	6.72 (5.69-8.09)	7.74 (6.42-9.51)	8.79 (7.12-11.1)	9.88 (7.79-12.8)	11.4 (8.62-15.4)	12.6 (9.21-17.6)
7-day	2.83 (2.50-3.26)	3.86 (3.42-4.46)	5.25 (4.64-6.08)	6.41 (5.61-7.48)	8.02 (6.79-9.66)	9.28 (7.70-11.4)	10.6 (8.57-13.3)	12.0 (9.42-15.5)	13.9 (10.5-18.7)	15.4 (11.2-21.4)
10-day	3.06 (2.71-3.52)	4.22 (3.73-4.87)	5.79 (5.11-6.69)	7.09 (6.21-8.27)	8.91 (7.55-10.7)	10.3 (8.58-12.7)	11.8 (9.59-14.9)	13.4 (10.6-17.3)	15.6 (11.8-21.0)	17.3 (12.7-24.1)
20-day	3.77 (3.33-4.34)	5.26 (4.65-6.07)	7.29 (6.43-8.43)	8.99 (7.87-10.5)	11.4 (9.64-13.7)	13.3 (11.0-16.3)	15.2 (12.3-19.2)	17.3 (13.7-22.4)	20.2 (15.3-27.3)	22.6 (16.5-31.5)
30-day	4.44 (3.93-5.11)	6.20 (5.48-7.15)	8.59 (7.58-9.94)	10.6 (9.28-12.4)	13.4 (11.4-16.2)	15.7 (13.0-19.3)	18.0 (14.6-22.7)	20.5 (16.2-26.6)	24.0 (18.2-32.4)	26.8 (19.6-37.4)
45-day	5.33 (4.72-6.14)	7.38 (6.52-8.51)	10.2 (8.97-11.8)	12.5 (11.0-14.6)	15.8 (13.4-19.1)	18.5 (15.4-22.8)	21.3 (17.2-26.8)	24.2 (19.1-31.4)	28.4 (21.5-38.3)	31.7 (23.2-44.2)
60-day	6.27 (5.55-7.22)	8.56 (7.57-9.88)	11.7 (10.3-13.5)	14.3 (12.6-16.7)	18.1 (15.3-21.8)	21.1 (17.5-25.9)	24.2 (19.6-30.5)	27.6 (21.7-35.7)	32.3 (24.4-43.5)	36.0 (26.4-50.3)

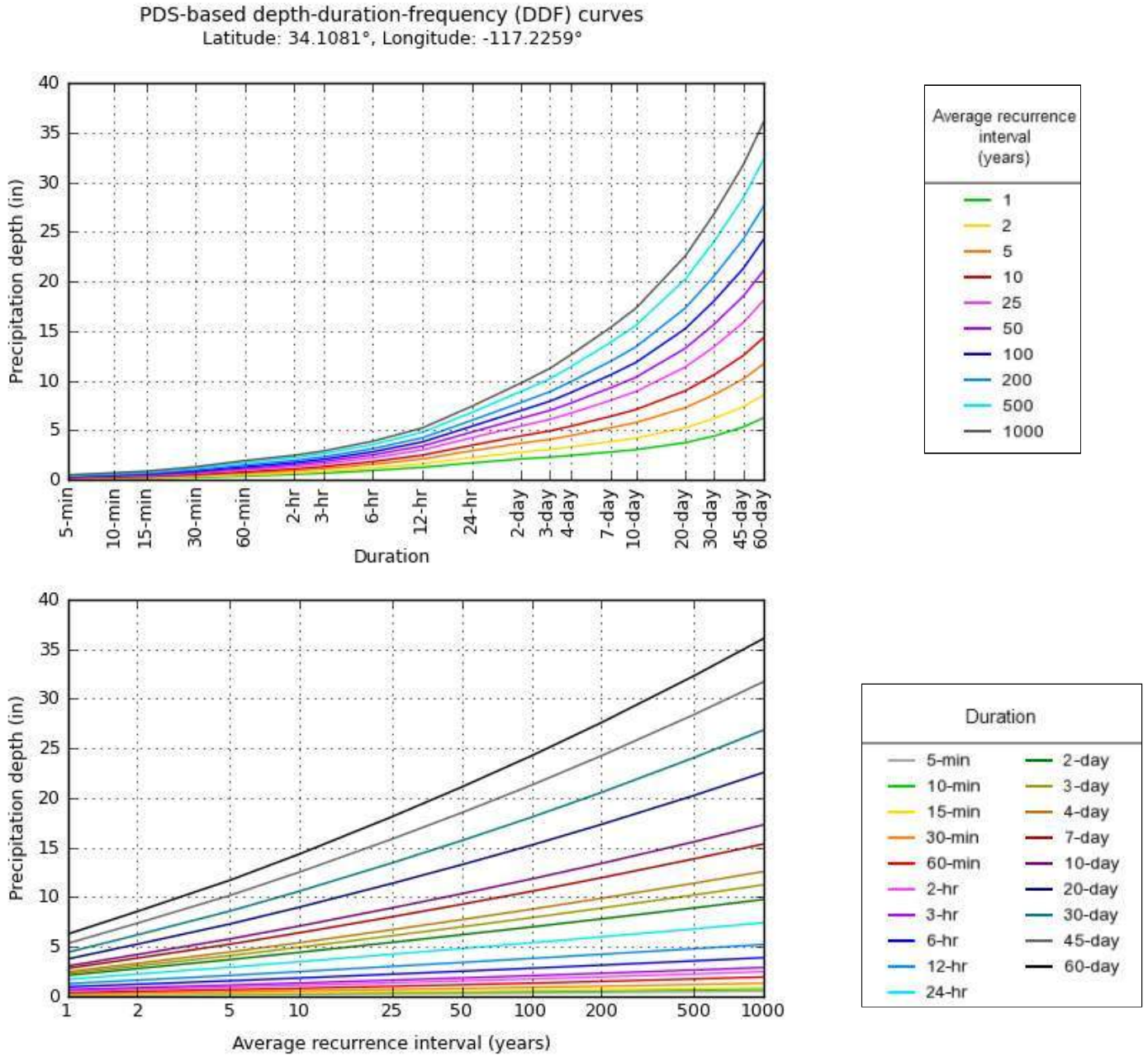
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical



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Maps & aerials

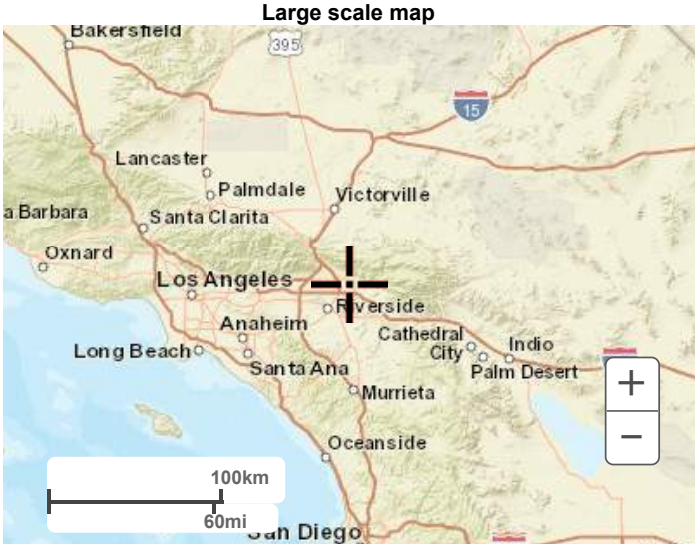
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

Form 4.2-2 Summary of HCOC Assessment (DA 1)

Does project have the potential to cause or contribute to an HCOC in a downstream channel: Yes ☐ No ☒

Go to: *http://permitrack.sbcounty.gov/wap/*

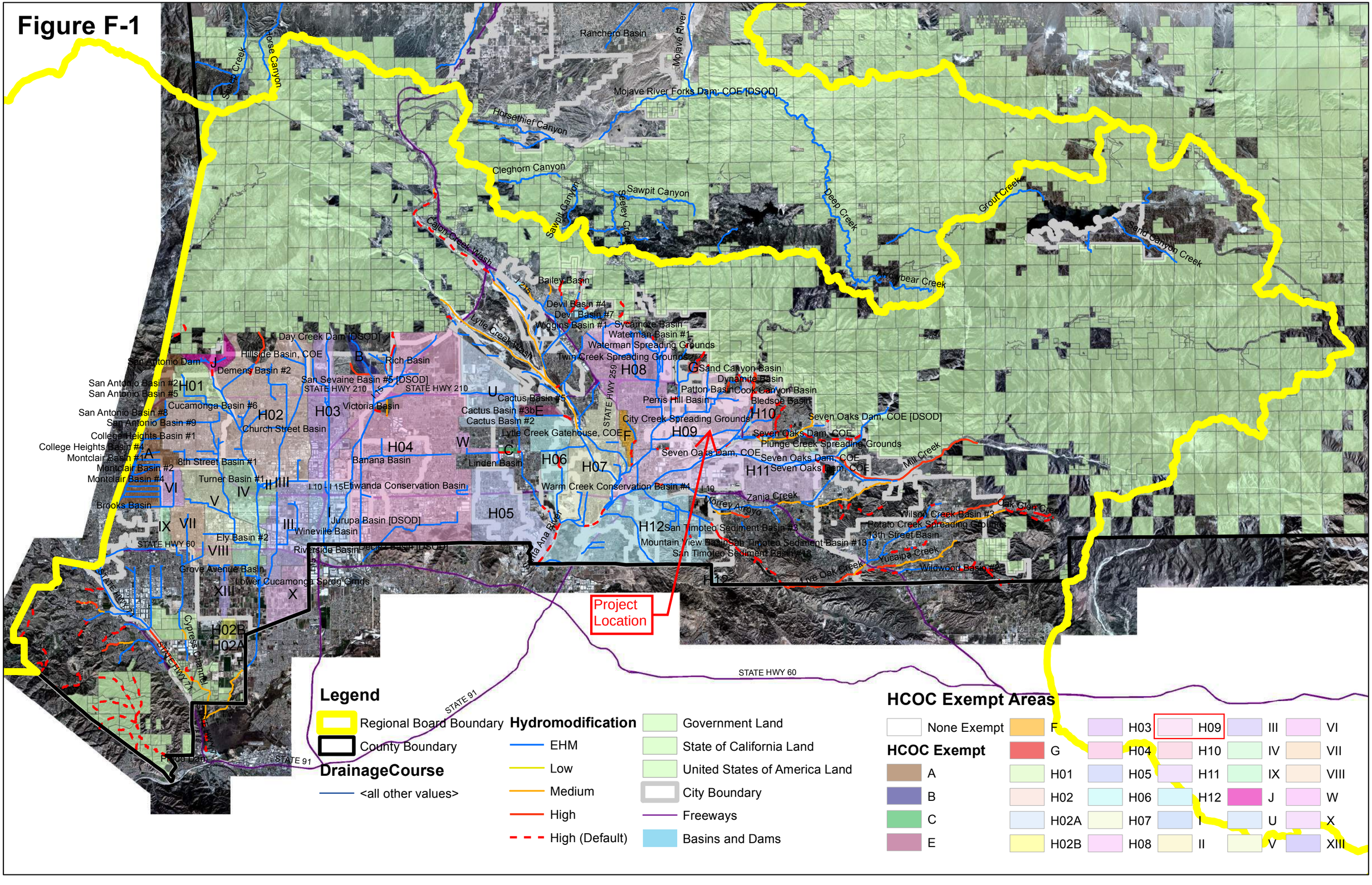
If "Yes", then complete HCOC assessment of site hydrology for 2yr storm event using Forms 4.2-3 through 4.2-5 and insert results below

(Forms 4.2-3 through 4.2-5 may be replaced by computer software analysis based on the San Bernardino County Hydrology Manual)

If "No," then proceed to Section 4.3 Project Conformance Analysis

Condition	Runoff Volume (ft^3)	Time of Concentration (min)	Peak Runoff (cfs)
Pre-developed	**1** N/A *Form 4.2-3 Item 12*	**2** N/A *Form 4.2-4 Item 13*	**3** N/A *Form 4.2-5 Item 10*
Post-developed	**4** N/A *Form 4.2-3 Item 13*	**5** N/A *Form 4.2-4 Item 14*	**6** N/A *Form 4.2-5 Item 14*
Difference	**7** N/A *Item 4 – Item 1*	**8** N/A *Item 2 – Item 5*	**9** N/A *Item 6 – Item 3*
Difference (as % of pre-developed)	**10** N/A *%* *Item 7 / Item 1*	**11** N/A *%* *Item 8 / Item 2*	**12** N/A *%* *Item 9 / Item 3*

Figure F-1



Legend

- Regional Board Boundary
- County Boundary

DrainageCourse

- <all other values>

Hydromodification

- EHM
- Low
- Medium
- High
- High (Default)

- Government Land
- State of California Land
- United States of America Land
- City Boundary
- Freeways
- Basins and Dams

HCOC Exempt Areas

- None Exempt

HCOC Exempt

- A
- B
- C
- E
- F
- G
- H01
- H02
- H02A
- H02B
- H03
- H04
- H05
- H06
- H07
- H08
- H09
- H10
- H11
- H12
- I
- II
- III
- IV
- V
- VI
- VII
- VIII
- IX
- J
- U
- W
- X
- XIII

Hydromodification

A.1 Hydrologic Conditions of Concern (HCOC) Analysis

HCOC Exemption:

1. **Sump Condition:** All downstream conveyance channel to an adequate sump (for example, Prado Dam, Santa Ana River, or other Lake, Reservoir or naturally erosion resistant feature) that will receive runoff from the project are engineered and regularly maintained to ensure design flow capacity; no sensitive stream habitat areas will be adversely affected; or are not identified on the Co-Permittees Hydromodification Sensitivity Maps.

2. **Pre = Post**: The runoff flow rate, volume and velocity for the post-development condition of the Priority Development Project do not exceed the pre-development (i.e, naturally occurring condition for the 2-year, 24-hour rainfall event utilizing latest San Bernardino County Hydrology Manual.

    a. Submit a substantiated hydrologic analysis to justify your request.

3. **Diversion to Storage Area**: The drainage areas that divert to water storage areas which are considered as control/release point and utilized for water conservation.

    a. See Appendix F for the HCOC Exemption Map and the on-line Watershed Geodatabase (http://sbcounty.permitrack.com/wap) for reference.

4. **Less than One Acre**: The Priority Development Project disturbs less than one acre. The Co-permittee has the discretion to require a Project Specific WQMP to address HCOCs on projects less than one acre on a case by case basis. The project disturbs less than one acre and is not part of a common plan of development.

5. **Built Out Area**: The contributing watershed area to which the project discharges has a developed area percentage greater than 90 percent.

    a. See Appendix F for the HCOC Exemption Map and the on-line Watershed Geodatabase (http://sbcounty.permitrack.com/wap) for reference.

Summary of HCOC Exempted Area

	HCOC Exemption reasoning				
	1	2	3	4	5
Area					
A			X		X
B			X		
C					X
E			X		
F					X
G			X		X
H01	X		X		
H02	X		X		
H02A	X		X		
H02B			X		
H03			X		
H04	X		X		
H05	X				
H06			X		
H07	X				
H08	X		X		
H09	X				
H10	X		X		
H11	X		X		
H12	X				
J			X		
U			X		
W			X		
I			X		
II			X		
III					X
IV			X		X
V			X*		
VI					X
VII					X
VIII			X		
IX					X
X			X		
XIII			X		

*Detention/Conservation Basin

Form 4.2-3 HCOC Assessment for Runoff Volume (DA 1) (N/A)

Weighted Curve Number Determination for: Pre-developed DA	DMA A	DMA B	DMA C	DMA D	DMA E	DMA F	DMA G	DMA H
1a Land Cover type	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2a Hydrologic Soil Group (HSG)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3a DMA Area, ft^2 *sum of areas of DMA should equal area of DA*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4a Curve Number (CN) *use Items 1 and 2 to select the appropriate CN from Appendix C-2 of the TGD for WQMP*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Weighted Curve Number Determination for: Post-developed DA	DMA A	DMA B	DMA C	DMA D	DMA E	DMA F	DMA G	DMA H
1b Land Cover type	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2b Hydrologic Soil Group (HSG)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3b DMA Area, ft^2 *sum of areas of DMA should equal area of DA*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4b Curve Number (CN) *use Items 5 and 6 to select the appropriate CN from Appendix C-2 of the TGD for WQMP*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

5 Pre-Developed area-weighted CN: N/A	**7** Pre-developed soil storage capacity, S (in): N/A *S = (1000 / Item 5) - 10*	**9** Initial abstraction, I_a (in): N/A *I_a = 0.2 * Item 7*
6 Post-Developed area-weighted CN: N/A	**8** Post-developed soil storage capacity, S (in): N/A *S = (1000 / Item 6) - 10*	**10** Initial abstraction, I_a (in): N/A *I_a = 0.2 * Item 8*

11 Precipitation for 2 yr, 24 hr storm (in): N/A
Go to: http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html

12 Pre-developed Volume (ft^3): N/A
*V_{pre} =(1 / 12) * (Item sum of Item 3) * [(Item 11 – Item 9)^2 / ((Item 11 – Item 9 + Item 7)*

13 Post-developed Volume (ft^3): N/A
*V_{pre} =(1 / 12) * (Item sum of Item 3) * [(Item 11 – Item 10)^2 / ((Item 11 – Item 10 + Item 8)*

14 Volume Reduction needed to meet HCOC Requirement, (ft^3): N/A
*V_{HCOC} = (Item 13 * 0.95) – Item 12*

Form 4.2-4 HCOC Assessment for Time of Concentration (DA 1) (N/A)

Compute time of concentration for pre and post developed conditions for each DA *(For projects using the Hydrology Manual complete the form below)*

Variables	Pre-developed DA1 *Use additional forms if there are more than 4 DMA*				Post-developed DA1 *Use additional forms if there are more than 4 DMA*			
	DMA A	DMA B	DMA C	DMA D	DMA A	DMA B	DMA C	DMA D
1 Length of flowpath (ft) *Use Form 3-2 Item 5 for pre-developed condition*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2 Change in elevation (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 Slope (ft/ft), *S_o = Item 2 / Item 1*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4 Land cover	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5 Initial DMA Time of Concentration (min) *Appendix C-1 of the TGD for WQMP*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6 Length of conveyance from DMA outlet to project site outlet (ft) *May be zero if DMA outlet is at project site outlet*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7 Cross-sectional area of channel (ft^2)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8 Wetted perimeter of channel (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9 Manning's roughness of channel (n)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10 Channel flow velocity (ft/sec) *V_{fps} = (1.49 / Item 9) * (Item 7/Item 8)^0.67 * (Item 3)^0.5*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11 Travel time to outlet (min) *T_t = Item 6 / (Item 10 * 60)*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12 Total time of concentration (min) *T_c = Item 5 + Item 11*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

13 Pre-developed time of concentration (min): N/A *Minimum of Item 12 pre-developed DMA*

14 Post-developed time of concentration (min): N/A *Minimum of Item 12 post-developed DMA*

15 Additional time of concentration needed to meet HCOC requirement (min): N/A *$T_{C\text{-}HCOC}$ = (Item 13 * 0.95) – Item 14*

Form 4.2-5 HCOC Assessment for Peak Runoff (DA 1) (N/A)

Compute peak runoff for pre- and post-developed conditions

Variables		Pre-developed DA to Project Outlet (*Use additional forms if more than 3 DMA)*			Post-developed DA to Project Outlet (*Use additional forms if more than 3 DMA)*		
		DMA A	DMA B	DMA C	DMA A	DMA B	DMA C
1 Rainfall Intensity for storm duration equal to time of concentration *I_{peak} = 10^(LOG Form 4.2-1 Item 4 - 0.6 LOG Form 4.2-4 Item 5 /60)*		N/A	N/A	N/A	N/A	N/A	N/A
2 Drainage Area of each DMA (Acres) *For DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*		N/A	N/A	N/A	N/A	N/A	N/A
3 Ratio of pervious area to total area *For DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*		N/A	N/A	N/A	N/A	N/A	N/A
4 Pervious area infiltration rate (in/hr) *Use pervious area CN and antecedent moisture condition with Appendix C-3 of the TGD for WQMP*		N/A	N/A	N/A	N/A	N/A	N/A
5 Maximum loss rate (in/hr) *F_m = Item 3 * Item 4* *Use area-weighted F_m from DMA with outlet at project site outlet, include upstream DMA (Using example schematic in Form 3-1, DMA A will include drainage from DMA C)*		N/A	N/A	N/A	N/A	N/A	N/A
6 Peak Flow from DMA (cfs) *Q_p =Item 2 * 0.9 * (Item 1 - Item 5)*		N/A	N/A	N/A	N/A	N/A	N/A
7 Time of concentration adjustment factor for other DMA to site discharge point *Form 4.2-4 Item 12 DMA / Other DMA upstream of site discharge point (If ratio is greater than 1.0, then use maximum value of 1.0)*	DMA A	*n/a*	N/A	N/A	*n/a*	N/A	N/A
	DMA B	N/A	*n/a*	N/A	N/A	*n/a*	N/A
	DMA C	N/A	N/A	*n/a*	N/A	N/A	*n/a*

8 Pre-developed Q_p at T_c for DMA A: N/A *Q_p = Item 6_{DMAA} + [Item 6_{DMAB} * (Item 1_{DMAA} - Item 5_{DMAB})/(Item 1_{DMAB} - Item 5_{DMAB})* Item $7_{DMAA/2}$] + [Item 6_{DMAC} * (Item 1_{DMAA} - Item 5_{DMAC})/(Item 1_{DMAC} - Item 5_{DMAC})* Item $7_{DMAA/3}$]*	**9** Pre-developed Q_p at T_c for DMA B: N/A *Q_p = Item 6_{DMAB} + [Item 6_{DMAA} * (Item 1_{DMAB} - Item 5_{DMAA})/(Item 1_{DMAA} - Item 5_{DMAA})* Item $7_{DMAB/1}$] + [Item 6_{DMAC} * (Item 1_{DMAB} - Item 5_{DMAC})/(Item 1_{DMAC} - Item 5_{DMAC})* Item $7_{DMAB/3}$]*	**10** Pre-developed Q_p at T_c for DMA C: N/A *Q_p = Item 6_{DMAC} + [Item 6_{DMAA} * (Item 1_{DMAC} - Item 5_{DMAA})/(Item 1_{DMAA} - Item 5_{DMAA})* Item $7_{DMAC/1}$] + [Item 6_{DMAB} * (Item 1_{DMAC} - Item 5_{DMAB})/(Item 1_{DMAB} - Item 5_{DMAB})* Item $7_{DMAC/2}$]*
10 Peak runoff from pre-developed condition confluence analysis (cfs): N/A *Maximum of Item 8, 9, and 10 (including additional forms as needed)*		
11 Post-developed Q_p at T_c for DMA A: N/A *Same as Item 8 for post-developed values*	**12** Post-developed Q_p at T_c for DMA B: N/A *Same as Item 9 for post-developed values*	**13** Post-developed Q_p at T_c for DMA C: N/A *Same as Item 10 for post-developed values*
14 Peak runoff from post-developed condition confluence analysis (cfs): N/A *Maximum of Item 11, 12, and 13 (including additional forms as needed)*		
15 Peak runoff reduction needed to meet HCOC Requirement (cfs): N/A *$Q_{p\text{-}HCOC}$ = (Item 14 * 0.95) – Item 10*		

4.3 Project Conformance Analysis

Complete the following forms for each project site DA to document that the proposed LID BMPs conform to the project DCV developed to meet performance criteria specified in the MS4 Permit (WQMP Template Section 4.2). For the LID DCV, the forms are ordered according to hierarchy of BMP selection as required by the MS4 Permit (see Section 5.3.1 in the TGD for WQMP). The forms compute the following for on-site LID BMP:

- Site Design and Hydrologic Source Controls (Form 4.3-2)
- Retention and Infiltration (Form 4.3-3)
- Harvested and Use (Form 4.3-4) or
- Biotreatment (Form 4.3-5).

At the end of each form, additional fields facilitate the determination of the extent of mitigation provided by the specific BMP category, allowing for use of the next category of BMP in the hierarchy, if necessary.

The first step in the analysis, using Section 5.3.2.1 of the TGD for WQMP, is to complete Forms 4.3-1 and 4.3-3) to determine if retention and infiltration BMPs are infeasible for the project. For each feasibility criterion in Form 4.3-1, if the answer is "Yes," provide all study findings that includes relevant calculations, maps, data sources, etc. used to make the determination of infeasibility.

Next, complete Forms 4.3-2 and 4.3-4 to determine the feasibility of applicable HSC and harvest and use BMPs, and, if their implementation is feasible, the extent of mitigation of the DCV.

If no site constraints exist that would limit the type of BMP to be implemented in a DA, evaluate the use of combinations of LID BMPs, including all applicable HSC BMPs to maximize on-site retention of the DCV. If no combination of BMP can mitigate the entire DCV, implement the single BMP type, or combination of BMP types, that maximizes on-site retention of the DCV within the minimum effective area.

If the combination of LID HSC, retention and infiltration, and harvest and use BMPs are unable to mitigate the entire DCV, then biotreatment BMPs may be implemented by the project proponent. If biotreatment BMPs are used, then they must be sized to provide sufficient capacity for effective treatment of the remainder of the volume-based performance criteria that cannot be achieved with LID BMPs (TGD for WQMP Section 5.4.4.2). **Under no circumstances shall any portion of the DCV be released from the site without effective mitigation and/or treatment**.

Form 4.3-1 Infiltration BMP Feasibility (DA 1)

Feasibility Criterion – Complete evaluation for each DA on the Project Site

[1] Would infiltration BMP pose significant risk for groundwater related concerns? Yes ☐ No ☒
Refer to Section 5.3.2.1 of the TGD for WQMP

If Yes, Provide basis: (attach)

[2] Would installation of infiltration BMP significantly increase the risk of geotechnical hazards? Yes ☐ No ☒
(Yes, if the answer to any of the following questions is yes, as established by a geotechnical expert):

- The location is less than 50 feet away from slopes steeper than 15 percent
- The location is less than eight feet from building foundations or an alternative setback.
- A study certified by a geotechnical professional or an available watershed study determines that stormwater infiltration would result in significantly increased risks of geotechnical hazards.

If Yes, Provide basis: (attach)

[3] Would infiltration of runoff on a Project site violate downstream water rights? Yes ☐ No ☒

If Yes, Provide basis: (attach)

[4] Is proposed infiltration facility located on hydrologic soil group (HSG) D soils or does the site geotechnical investigation indicate presence of soil characteristics, which support categorization as D soils? Yes ☐ No ☒

If Yes, Provide basis: (attach)

[5] Is the design infiltration rate, after accounting for safety factor of 2.0, below proposed facility less than 0.3 in/hr (accounting for soil amendments)? Yes ☐ No ☒

If Yes, Provide basis: (attach)

[6] Would on-site infiltration or reduction of runoff over pre-developed conditions be partially or fully inconsistent with watershed management strategies as defined in the WAP, or impair beneficial uses? Yes ☐ No ☒
See Section 3.5 of the TGD for WQMP and WAP

If Yes, Provide basis: (attach)

[7] Any answer from Item 1 through Item 3 is "Yes": Yes ☐ No ☒
If yes, infiltration of any volume is not feasible onsite. Proceed to Form 4.3-4, Harvest and Use BMP. If no, then proceed to Item 8 below.

[8] Any answer from Item 4 through Item 6 is "Yes": Yes ☐ No ☒
If yes, infiltration is permissible but is not required to be considered. Proceed to Form 4.3-2, Hydrologic Source Control BMP.
If no, then proceed to Item 9, below.

[9] All answers to Item 1 through Item 6 are "No":
Infiltration of the full DCV is potentially feasible, LID infiltration BMP must be designed to infiltrate the full DCV to the MEP.
Proceed to Form 4.3-2, Hydrologic Source Control BMP.

4.3.1 Site Design Hydrologic Source Control BMP

Section XI.E. of the Permit emphasizes the use of LID preventative measures; and the use of LID HSC BMPs reduces the portion of the DCV that must be addressed in downstream BMPs. Therefore, all applicable HSC shall be provided except where they are mutually exclusive with each other, or with other BMPs. Mutual exclusivity may result from overlapping BMP footprints such that either would be potentially feasible by itself, but both could not be implemented. Please note that while there are no numeric standards regarding the use of HSC, if a project cannot feasibly meet BMP sizing requirements or cannot fully address HCOCs, feasibility of all applicable HSC must be part of demonstrating that the BMP system has been designed to retain the maximum feasible portion of the DCV. Complete Form 4.3-2 to identify and calculate estimated retention volume from implementing site design HSC BMP. Refer to Section 5.4.1 in the TGD for more detailed guidance.

Form 4.3-2 Site Design Hydrologic Source Control BMPs (N/A)

1 Implementation of Impervious Area Dispersion BMP (i.e. routing runoff from impervious to pervious areas), excluding impervious areas planned for routing to on-lot infiltration BMP: Yes ☐ No ☒ *If yes, complete Items 2-5; If no, proceed to Item 6*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
2 Total impervious area draining to pervious area (ft^2)			
3 Ratio of pervious area receiving runoff to impervious area			
4 Retention volume achieved from impervious area dispersion (ft^3) *V = Item2 * Item 3 * (0.5/12), assuming retention of 0.5 inches of runoff*			
5 Sum of retention volume achieved from impervious area dispersion (ft^3): 0 *$V_{retention}$ =Sum of Item 4 for all BMPs*			
6 Implementation of Localized On-lot Infiltration BMPs (e.g. on-lot rain gardens): Yes ☐ No ☒ *If yes, complete Items 7-13 for aggregate of all on-lot infiltration BMP in each DA; If no, proceed to Item 14*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
7 Ponding surface area (ft^2)			
8 Ponding depth (ft)			
9 Surface area of amended soil/gravel (ft^2)			
10 Average depth of amended soil/gravel (ft)			
11 Average porosity of amended soil/gravel			
12 Retention volume achieved from on-lot infiltration (ft^3) *$V_{retention}$ = (Item 7 *Item 8) + (Item 9 * Item 10 * Item 11)*			
13 Runoff volume retention from on-lot infiltration (ft^3): 0 *$V_{retention}$ =Sum of Item 12 for all BMPs*			

Form 4.3-2 cont. Site Design Hydrologic Source Control BMPs (DA 1)

14 Implementation of evapotranspiration BMP (green, brown, or blue roofs): Yes ☐ No ☒ *If yes, complete Items 15-20. If no, proceed to Item 21*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
15 Rooftop area planned for ET BMP (ft^2)			
16 Average wet season ET demand (in/day) *Use local values, typical ~ 0.1*			
17 Daily ET demand (ft^3/day) *Item 15 * (Item 16 / 12)*			
18 Drawdown time (hrs) *Copy Item 6 in Form 4.2-1*			
19 Retention Volume (ft^3) $V_{retention}$ *= Item 17 * (Item 18 / 24)*			
20 Runoff volume retention from evapotranspiration BMPs (ft^3): 0 $V_{retention}$ *=Sum of Item 19 for all BMPs*			
21 Implementation of Street Trees: Yes ☐ No ☒ *If yes, complete Items 22-25. If no, proceed to Item 26*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
22 Number of Street Trees			
23 Average canopy cover over impervious area (ft^2)			
24 Runoff volume retention from street trees (ft^3) $V_{retention}$ *= Item 22 * Item 23 * (0.05/12) assume runoff retention of 0.05 inches*			
25 Runoff volume retention from street tree BMPs (ft^3): 0 $V_{retention}$ *= Sum of Item 24 for all BMPs*			
26 Implementation of residential rain barrel/cisterns: Yes☐ No ☒ *If yes, complete Items 27-29; If no, proceed to Item 30*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
27 Number of rain barrels/cisterns			
28 Runoff volume retention from rain barrels/cisterns (ft^3) $V_{retention}$ *= Item 27 * 3*			
29 Runoff volume retention from residential rain barrels/Cisterns (ft3): 0 $V_{retention}$ *=Sum of Item 28 for all BMPs*			
30 Total Retention Volume from Site Design Hydrologic Source Control BMPs: 0 *Sum of Items 5, 13, 20, 25 and 29*			

4.3.2 Infiltration BMPs

Use Form 4.3-3 to compute on-site retention of runoff from proposed retention and infiltration BMPs. Volume retention estimates are sensitive to the percolation rate used, which determines the amount of runoff that can be infiltrated within the specified drawdown time. The infiltration safety factor reduces field measured percolation to account for potential inaccuracy associated with field measurements, declining BMP performance over time, and compaction during construction. Appendix D of the TGD for WQMP provides guidance on estimating an appropriate safety factor to use in Form 4.3-3.

If site constraints limit the use of BMPs to a single type and implementation of retention and infiltration BMPs mitigate no more than 40% of the DCV, then they are considered infeasible and the Project Proponent may evaluate the effectiveness of BMPs lower in the LID hierarchy of use (Section 5.5.1 of the TGD for WQMP)

If implementation of infiltrations BMPs is feasible as determined using Form 4.3-1, then LID infiltration BMPs shall be implemented to the MEP (section 4.1 of the TGD for WQMP).

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Form 4.3-3 Infiltration LID BMP - including underground BMPs (DA 1)

1 Remaining LID DCV not met by site design HSC BMP (ft^3): 27,766 *V_{unmet} = Form 4.2-1 Item 7 - Form 4.3-2 Item 30*

BMP Type *Use columns to the right to compute runoff volume retention from proposed infiltration BMP (select BMP from Table 5-4 in TGD for WQMP) - Use additional forms for more BMPs*	DA 1 DMA - BMP Type: UG System	DA DMA BMP Type	DA DMA BMP Type
2 Infiltration rate of underlying soils (in/hr) *See Section 5.4.2 and Appendix D of the TGD for WQMP for minimum requirements for assessment methods*	61.9	-	-
3 Infiltration safety factor *See TGD Section 5.4.2 and Appendix D*	6 (very conservative)	-	-
4 Design percolation rate (in/hr) *P_{design} = Item 2 / Item 3*	12.4, but will use 2.4"	-	-
5 Ponded water drawdown time (hr) *Copy Item 6 in Form 4.2-1*	48	-	-
6 Maximum ponding depth (ft) *BMP specific, see Table 5-4 of the TGD for WQMP for BMP design details*	8	-	-
7 Ponding Depth (ft) *d_{BMP} = Minimum of (1/12*Item 4*Item 5) or Item 6*	8	-	-
8 Infiltrating surface area, *SA_{BMP}* (ft^2) *the lesser of the area needed for infiltration of full DCV or minimum space requirements from Table 5.7 of the TGD for WQMP*	5,405 SF (235' X 23')	-	-
9 Amended soil depth, *d_{media}* (ft) *Only included in certain BMP types, see Table 5-4 in the TGD for WQMP for reference to BMP design details*	N/A	-	-
10 Amended soil porosity	N/A	-	-
11 Gravel depth, *d_{media}* (ft) *Only included in certain BMP types, see Table 5-4 of the TGD for WQMP for BMP design details*	N/A	-	-
12 Gravel porosity	N/A	-	-
13 Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*	N/A	-	-
14 Above Ground Retention Volume (ft^3) *$V_{retention}$ = Item 8 * [Item7 + (Item 9 * Item 10) + (Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*	N/A	-	-
15 Underground Retention Volume (ft^3) *Volume determined using manufacturer's specifications and calculations*	33,573	-	-

16 Total Retention Volume from LID Infiltration BMPs: 33,573 *(Sum of Items 14 and 15 for all infiltration BMP included in plan)*

17 Fraction of DCV achieved with infiltration BMP: 120.9% *Retention% = Item 16 / Form 4.2-1 Item 7*

Note: System will drain within 40 hrs using a max infiltration of 2.4"/hr
Time to infiltrate entire system = (8ft x 12in/ft) /(2.4in/hr) = 40 hrs

18 Is full LID DCV retained onsite with combination of hydrologic source control and LID retention/infiltration BMPs? Yes ☒ No ☐

If yes, demonstrate conformance using Form 4.3-10; If no, then reduce Item 3, Factor of Safety to 2.0 and increase Item 8, Infiltrating Surface Area, such that the portion of the site area used for retention and infiltration BMPs equals or exceeds the minimum effective area thresholds (Table 5-7 of the TGD for WQMP) for the applicable category of development and repeat all above calculations.

4.3.3 Harvest and Use BMP (N/A)

Harvest and use BMP may be considered if the full LID DCV cannot be met by maximizing infiltration BMPs. Use Form 4.3-4 to compute on-site retention of runoff from proposed harvest and use BMPs.

Volume retention estimates for harvest and use BMPs are sensitive to the on-site demand for captured stormwater. Since irrigation water demand is low in the wet season, when most rainfall events occur in San Bernardino County, the volume of water that can be used within a specified drawdown period is relatively low. The bottom portion of Form 4.3-4 facilitates the necessary computations to show infeasibility if a minimum incremental benefit of 40 percent of the LID DCV would not be achievable with MEP implementation of on-site harvest and use of stormwater (Section 5.5.4 of the TGD for WQMP).

Form 4.3-4 Harvest and Use BMPs (DA 1) (N/A)

1 Remaining LID DCV not met by site design HSC or infiltration BMP (ft^3): 0
V_{unmet} = Form 4.2-1 Item 7 - Form 4.3-2 Item 30 – Form 4.3-3 Item 16

BMP Type(s) *Compute runoff volume retention from proposed harvest and use BMP (Select BMPs from Table 5-4 of the TGD for WQMP) - Use additional forms for more BMPs*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
2 Describe cistern or runoff detention facility			
3 Storage volume for proposed detention type (ft^3) *Volume of cistern*			
4 Landscaped area planned for use of harvested stormwater (ft^2)			
5 Average wet season daily irrigation demand (in/day) Use local values, typical ~ 0.1 in/day			
6 Daily water demand (ft^3/day) *Item 4 * (Item 5 / 12)*			
7 Drawdown time (hrs) *Copy Item 6 from Form 4.2-1*			
8 Retention Volume (ft^3) *$V_{retention}$ = Minimum of (Item 3) or (Item 6 * (Item 7 / 24))*			

9 Total Retention Volume (ft^3) from Harvest and Use BMP0 *Sum of Item 8 for all harvest and use BMP included in plan*

10 Is the full DCV retained with a combination of LID HSC, retention and infiltration, and harvest & use BMPs? Yes ☐ No ☐

If yes, demonstrate conformance using Form 4.3-10. If no, then re-evaluate combinations of all LID BMP and optimize their implementation such that the maximum portion of the DCV is retained on-site (using a single BMP type or combination of BMP types). If the full DCV cannot be mitigated after this optimization process, proceed to Section 4.3.4.

4.3.4 Biotreatment BMP (N/A)

Biotreatment BMPs may be considered if the full LID DCV cannot be met by maximizing retention and infiltration, and harvest and use BMPs. A key consideration when using biotreatment BMP is the effectiveness of the proposed BMP in addressing the pollutants of concern for the project (see Table 5-5 of the TGD for WQMP).

Use Form 4.3-5 to summarize the potential for volume based and/or flow based biotreatment options to biotreat the remaining unmet LID DCV w. Biotreatment computations are included as follows:

- Use Form 4.3-6 to compute biotreatment in small volume based biotreatment BMP (e.g. bioretention w/underdrains);
- Use Form 4.3-7 to compute biotreatment in large volume based biotreatment BMP (e.g. constructed wetlands);
- Use Form 4.3-8 to compute sizing criteria for flow-based biotreatment BMP (e.g. bioswales)

Form 4.3-5 Selection and Evaluation of Biotreatment BMP (DA 1) (N/A)

1 Remaining LID DCV not met by site design HSC, infiltration, or harvest and use BMP for potential biotreatment (ft^3): *Form 4.2-1 Item 7 - Form 4.3-2 Item 30 – Form 4.3-3 Item 16- Form 4.3-4 Item 9*	List pollutants of concern *Copy from Form 2.3-1.*	
2 Biotreatment BMP Selected *(Select biotreatment BMP(s) necessary to ensure all pollutants of concern are addressed through Unit Operations and Processes, described in Table 5-5 of the TGD for WQMP)*	Volume-based biotreatment *Use Forms 4.3-6 and 4.3-7 to compute treated volume*	Flow-based biotreatment *Use Form 4.3-8 to compute treated volume*
	☐ Bioretention with underdrain ☐ Planter box with underdrain ☐ Constructed wetlands ☐ Wet extended detention ☐ Dry extended detention	☐ Vegetated swale ☐ Vegetated filter strip ☐ Proprietary biotreatment
3 Volume biotreated in volume based biotreatment BMP (ft^3): *Form 4.3-6 Item 15 + Form 4.3-7 Item 13*	**4** Compute remaining LID DCV with implementation of volume based biotreatment BMP (ft^3): *Item 1 – Item 3*	**5** Remaining fraction of LID DCV for sizing flow based biotreatment BMP: % *Item 4 / Item 1*
6 Flow-based biotreatment BMP capacity provided (cfs): *Use Figure 5-2 of the TGD for WQMP to determine flow capacity required to provide biotreatment of remaining percentage of unmet LID DCV (Item 5), for the project's precipitation zone (Form 3-1 Item 1)*		
7 Metrics for MEP determination: • Provided a WQMP with the portion of site area used for suite of LID BMP equal to minimum thresholds in Table 5-7 of the TGD for WQMP for the proposed category of development: ☐ *If maximized on-site retention BMPs is feasible for partial capture, then LID BMP implementation must be optimized to retain and infiltrate the maximum portion of the DCV possible within the prescribed minimum effective area. The remaining portion of the DCV shall then be mitigated using biotreatment BMP.*		

Form 4.3-6 Volume Based Biotreatment (DA 1) – Bioretention and Planter Boxes with Underdrains (N/A)

Biotreatment BMP Type *(Bioretention w/underdrain, planter box w/underdrain, other comparable BMP)*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
1 Pollutants addressed with BMP *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in Table 5-5 of the TGD for WQMP*			
2 Amended soil infiltration rate *Typical ~ 5.0*			
3 Amended soil infiltration safety factor *Typical ~ 2.0*			
4 Amended soil design percolation rate (in/hr) P_{design} *= Item 2 / Item 3*			
5 Ponded water drawdown time (hr) *Copy Item 6 from Form 4.2-1*			
6 Maximum ponding depth (ft) *see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
7 Ponding Depth (ft) d_{BMP} *= Minimum of (1/12 * Item 4 * Item 5) or Item 6*			
8 Amended soil surface area (ft^2)			
9 Amended soil depth (ft) *see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
10 Amended soil porosity, *n*			
11 Gravel depth (ft) *see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
12 Gravel porosity, *n*			
13 Duration of storm as basin is filling (hrs) *Typical ~ 3hrs*			
14 Biotreated Volume (ft^3) $V_{biotreated}$ *= Item 8 * [(Item 7/2) + (Item 9 * Item 10) +(Item 11 * Item 12) + (Item 13 * (Item 4 / 12))]*			
15 Total biotreated volume from bioretention and/or planter box with underdrains BMP: 0 *Sum of Item 14 for all volume-based BMPs included in this form*			

Form 4.3-7 Volume Based Biotreatment (DA 1) – Constructed Wetlands and Extended Detention (N/A)

Biotreatment BMP Type *Constructed wetlands, extended wet detention, extended dry detention, or other comparable proprietary BMP. If BMP includes multiple modules (e.g. forebay and main basin), provide separate estimates for storage and pollutants treated in each module.*	DA DMA BMP Type		DA DMA BMP Type *(Use additional forms for more BMPs)*	
	Forebay	Basin	Forebay	Basin
1 Pollutants addressed with BMP forebay and basin *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in Table 5-5 of the TGD for WQMP*				
2 Bottom width (ft)				
3 Bottom length (ft)				
4 Bottom area (ft^2) A_{bottom} = *Item 2 * Item 3*				
5 Side slope (ft/ft)				
6 Depth of storage (ft)				
7 Water surface area (ft^2) $A_{surface}$ =*(Item 2 + (2 * Item 5 * Item 6)) * (Item 3 + (2 * Item 5 * Item 6))*				
8 Storage volume (ft^3) *For BMP with a forebay, ensure fraction of total storage is within ranges specified in BMP specific fact sheets, see Table 5-6 of the TGD for WQMP for reference to BMP design details* V =*Item 6 / 3 * [Item 4 + Item 7 + (Item 4 * Item 7)^0.5]*				
9 Drawdown Time (hrs) *Copy Item 6 from Form 2.1*				
10 Outflow rate (cfs) Q_{BMP} = *(Item* $8_{forebay}$ *+ Item* 8_{basin}*) / (Item 9 * 3600)*				
11 Duration of design storm event (hrs)				
12 Biotreated Volume (ft^3) $V_{biotreated}$ = *(Item* $8_{forebay}$ *+ Item* 8_{basin}*) +(Item 10 * Item 11 * 3600)*				
13 Total biotreated volume from constructed wetlands, extended dry detention, or extended wet detention : 0 *(Sum of Item 12 for all BMP included in plan)*				

Form 4.3-8 Flow Based Biotreatment (DA 1) (N/A)

Biotreatment BMP Type *Vegetated swale, vegetated filter strip, or other comparable proprietary BMP*	DA DMA BMP Type	DA DMA BMP Type	DA DMA BMP Type *(Use additional forms for more BMPs)*
1 Pollutants addressed with BMP *List all pollutant of concern that will be effectively reduced through specific Unit Operations and Processes described in TGD Table 5-5*			
2 Flow depth for water quality treatment (ft) *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
3 Bed slope (ft/ft) *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
4 Manning's roughness coefficient			
5 Bottom width (ft) *b_w = (Form 4.3-5 Item 6 * Item 4) / (1.49 * Item 2^1.67 * Item 3^0.5)*			
6 Side Slope (ft/ft) *BMP specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
7 Cross sectional area (ft^2) *A = (Item 5 * Item 2) + (Item 6 * Item 2^2)*			
8 Water quality flow velocity (ft/sec) *V = Form 4.3-5 Item 6 / Item 7*			
9 Hydraulic residence time (min) *Pollutant specific, see Table 5-6 of the TGD for WQMP for reference to BMP design details*			
10 Length of flow based BMP (ft) *L = Item 8 * Item 9 * 60*			
11 Water surface area at water quality flow depth (ft^2) *SA_{top} = (Item 5 + (2 * Item 2 * Item 6)) * Item 10*			

4.3.5 Conformance Summary

Complete Form 4.3-9 to demonstrate how on-site LID DCV is met with proposed site design hydrologic source control, infiltration, harvest and use, and/or biotreatment BMP. The bottom line of the form is used to describe the basis for infeasibility determination for on-site LID BMP to achieve full LID DCV, and provides methods for computing remaining volume to be addressed in an alternative compliance plan. If the project has more than one outlet, then complete additional versions of this form for each outlet.

Form 4.3-9 Conformance Summary and Alternative Compliance Volume Estimate (DA 1)

1 Total LID DCV for the Project DA-1 (ft^3): 27,766 *Copy Item 7 in Form 4.2-1*

2 On-site retention with site design hydrologic source control LID BMP (ft^3): 0 *Copy Item 30 in Form 4.3-2*

3 On-site retention with LID infiltration BMP (ft^3): **33,573** *Copy Item 16 in Form 4.3-3*

4 On-site retention with LID harvest and use BMP (ft^3): 0 *Copy Item 9 in Form 4.3-4*

5 On-site biotreatment with volume based biotreatment BMP (ft^3): 0 *Copy Item 3 in Form 4.3-5*

6 Flow capacity provided by flow based biotreatment BMP (cfs): 0 *Copy Item 6 in Form 4.3-5*

7 LID BMP performance criteria are achieved if answer to any of the following is "Yes":

- Full retention of LID DCV with site design HSC, infiltration, or harvest and use BMP: Yes ☒ No ☐
  If yes, sum of Items 2, 3, and 4 is greater than Item 1
- Combination of on-site retention BMPs for a portion of the LID DCV and volume-based biotreatment BMP that address all pollutants of concern for the remaining LID DCV: **N/A** Full retention provided Yes ☐ No ☐
  If yes, a) sum of Items 2, 3, 4, and 5 is greater than Item 1, and Items 2, 3 and 4 are maximized; or b) Item 6 is greater than Form 4.3--5 Item 6 and Items 2, 3 and 4 are maximized
- On-site retention and infiltration is determined to be infeasible and biotreatment BMP provide biotreatment for all pollutants of concern for full LID DCV: **N/A** Yes ☐ No ☐
  If yes, Form 4.3-1 Items 7 and 8 were both checked yes

8 If the LID DCV is not achieved by any of these means, then the project may be allowed to develop an alternative compliance plan. Check box that describes the scenario which caused the need for alternative compliance:

- Combination of HSC, retention and infiltration, harvest and use, and biotreatment BMPs provide less than full LID DCV capture: ☐
  Checked yes for Form 4.3-5 Item 7, Item 6 is zero, and sum of Items 2, 3, 4, and 5 is less than Item 1. If so, apply water quality credits and calculate volume for alternative compliance, V_{alt} *= (Item 1 – Item 2 – Item 3 – Item 4 – Item 5) * (100 - Form 2.4-1 Item 2)%*
- An approved Watershed Action Plan (WAP) demonstrates that water quality and hydrologic impacts of urbanization are more effective when managed in at an off-site facility: ☐
  Attach appropriate WAP section, including technical documentation, showing effectiveness comparisons for the project site and regional watershed

4.3.6 Hydromodification Control BMP

Use Form 4.3-10 to compute the remaining runoff volume retention, after LID BMP are implemented, needed to address HCOC, and the increase in time of concentration and decrease in peak runoff necessary to meet targets for protection of waterbodies with a potential HCOC. Describe hydromodification control BMP that address HCOC, which may include off-site BMP and/or in-stream controls. Section 5.6 of the TGD for WQMP provides additional details on selection and evaluation of hydromodification control BMP.

Form 4.3-10 Hydromodification Control BMPs (DA 1)

1 Volume reduction needed for HCOC performance criteria (ft^3): 0 *(Form 4.2-2 Item 4 * 0.95) – Form 4.2-2 Item 1*	**2** On-site retention with site design hydrologic source control, infiltration, and harvest and use LID BMP (ft^3): 27,776 *Sum of Form 4.3-9 Items 2, 3, and 4 Evaluate option to increase implementation of on-site retention in Forms 4.3-2, 4.3-3, and 4.3-4 in excess of LID DCV toward achieving HCOC volume reduction*
3 Remaining volume for HCOC volume capture (ft^3): 0 *Item 1 – Item 2*	**4** Volume capture provided by incorporating additional on-site or off-site retention BMPs (ft^3): 0 *Existing downstream BMP may be used to demonstrate additional volume capture (if so, attach to this WQMP a hydrologic analysis showing how the additional volume would be retained during a 2-yr storm event for the regional watershed)*

5 If Item 4 is less than Item 3, incorporate in-stream controls on downstream waterbody segment to prevent impacts due to hydromodification ☐ *Attach in-stream control BMP selection and evaluation to this WQMP*

6 Is Form 4.2-2 Item 11 less than or equal to 5%: **N/A** Yes ☐ No ☐

If yes, HCOC performance criteria is achieved. If no, select one or more mitigation options below:

- Demonstrate increase in time of concentration achieved by proposed LID site design, LID BMP, and additional on-site or off-site retention BMP ☐
  BMP upstream of a waterbody segment with a potential HCOC may be used to demonstrate increased time of concentration through hydrograph attenuation (if so, show that the hydraulic residence time provided in BMP for a 2-year storm event is equal or greater than the addition time of concentration requirement in Form 4.2-4 Item 15)
- Increase time of concentration by preserving pre-developed flow path and/or increase travel time by reducing slope and increasing cross-sectional area and roughness for proposed on-site conveyance facilities ☐
- Incorporate appropriate in-stream controls for downstream waterbody segment to prevent impacts due to hydromodification, in a plan approved and signed by a licensed engineer in the State of California ☐

7 Form 4.2-2 Item 12 less than or equal to 5%: **N/A** Yes ☐ No ☐

If yes, HCOC performance criteria is achieved. If no, select one or more mitigation options below:

- Demonstrate reduction in peak runoff achieved by proposed LID site design, LID BMPs, and additional on-site or off-site retention BMPs ☐
  BMPs upstream of a waterbody segment with a potential HCOC may be used to demonstrate additional peak runoff reduction through hydrograph attenuation (if so, attach to this WQMP, a hydrograph analysis showing how the peak runoff would be reduced during a 2-yr storm event)
- Incorporate appropriate in-stream controls for downstream waterbody segment to prevent impacts due to hydromodification, in a plan approved and signed by a licensed engineer in the State of California ☐

4.4 Alternative Compliance Plan (if applicable)

Describe an alternative compliance plan (if applicable) for projects not fully able to infiltrate, harvest and use, or biotreat the DCV via on-site LID practices. A project proponent must develop an alternative compliance plan to address the remainder of the LID DCV. Depending on project type some projects may qualify for water quality credits that can be applied to reduce the DCV that must be treated prior to development of an alternative compliance plan (see Form 2.4-1, Water Quality Credits). Form 4.3-9 Item 8 includes instructions on how to apply water quality credits when computing the DCV that must be met through alternative compliance. Alternative compliance plans may include one or more of the following elements:

- On-site structural treatment control BMP - All treatment control BMP should be located as close to possible to the pollutant sources and should not be located within receiving waters;
- Off-site structural treatment control BMP - Pollutant removal should occur prior to discharge of runoff to receiving waters;
- Urban runoff fund or In-lieu program, if available

Depending upon the proposed alternative compliance plan, approval by the executive officer may or may not be required (see Section 6 of the TGD for WQMP).

Section 5 Inspection and Maintenance Responsibility for Post Construction BMP

All BMP included as part of the project WQMP are required to be maintained through regular scheduled inspection and maintenance (refer to Section 8, Post Construction BMP Requirements, in the TGD for WQMP). Fully complete Form 5-1 summarizing all BMP included in the WQMP. Attach additional forms as needed. The WQMP shall also include a detailed Operation and Maintenance Plan for all BMP and may require a Maintenance Agreement (consult the jurisdiction's LIP). If a Maintenance Agreement is required, it must also be attached to the WQMP.

Form 5-1 BMP Inspection and Maintenance (use additional forms as necessary)

BMP	Reponsible Party(s)	Inspection/ Maintenance Activities Required	Minimum Frequency of Activities
UG Infilt./ deten. System	Owner	- Inspect system for standing water. If system has standing water, perform re-inspection within 48 hours. If system still has standing water then the system shall be pumped and removed debris shall be disposed of in a legal manner. - Maintain UG-Infiltration Basin System is easiest when there is no flow entering the syste. For this reason, maintenance should be scheduled during the dry weather (season). Accumulated sediment and trash can typically be evacuated through the manhole over the outlet orifice. Manhole cover should be securely seated following cleaning activities.	Quarterly and Prior to storm event and 48 hours after storm has passed
Loading Dock and Parking Lot Sweeping N15	Owner	Sweep loading dock and parking lot and truck courts.	Monthly / As needed.
Truck Dock N13	Owner	Inspect loading dock for trash debris and sediments. Inspect loading dock for evidence of spills and broken containers. Clean up spills and dispose of collected material in a legal manner.	Weekly
Planting N3	Owner	Inspect health of planting and erosion of landscape area. Trimming trees and bushes when needed.	Monthly

Efficient Irrigation S4	Owner	- Inspect irrigation system general operation and durations. - Repair damaged sprinkler and drip irrigation lines as needed. - Reduce durations during the winter season to prevent over irrigation.	Monthly
Storm drain system signage S1	Owner	Inspect Catch basin signage for faded or lost signs / repair or replace as needed.	Annualy
Trash Storage Areas and Litter Control (SD-32) N2	Owner	Inspect trash container, lids, screens and clean trash storage areas.	Weekly
Contech CDS Unit N17	Owner	Inspect system for sediment, floating trash and debris.	Quarterly and Prior to storm event and 48 hours after storm has passed
Employee Training / Education Program N12	Owner	Building tenants to provide BMP training and hand out educational materials.	Annually or upon hire

Section 6 WQMP Attachments

6.1. Site Plan and Drainage Plan

Include a site plan and drainage plan sheet set containing the following minimum information:

- Project location
- Site boundary
- Land uses and land covers, as applicable
- Suitability/feasibility constraints
- Structural Source Control BMP locations
- Site Design Hydrologic Source Control BMP locations
- LID BMP details
- Drainage delineations and flow information
- Drainage connections

6.2 Electronic Data Submittal

Minimum requirements include submittal of PDF exhibits in addition to hard copies. Format must not require specialized software to open. If the local jurisdiction requires specialized electronic document formats (as described in their (Local Implementation Plan), this section will describe the contents (e.g., layering, nomenclature, geo-referencing, etc.) of these documents so that they may be interpreted efficiently and accurately.

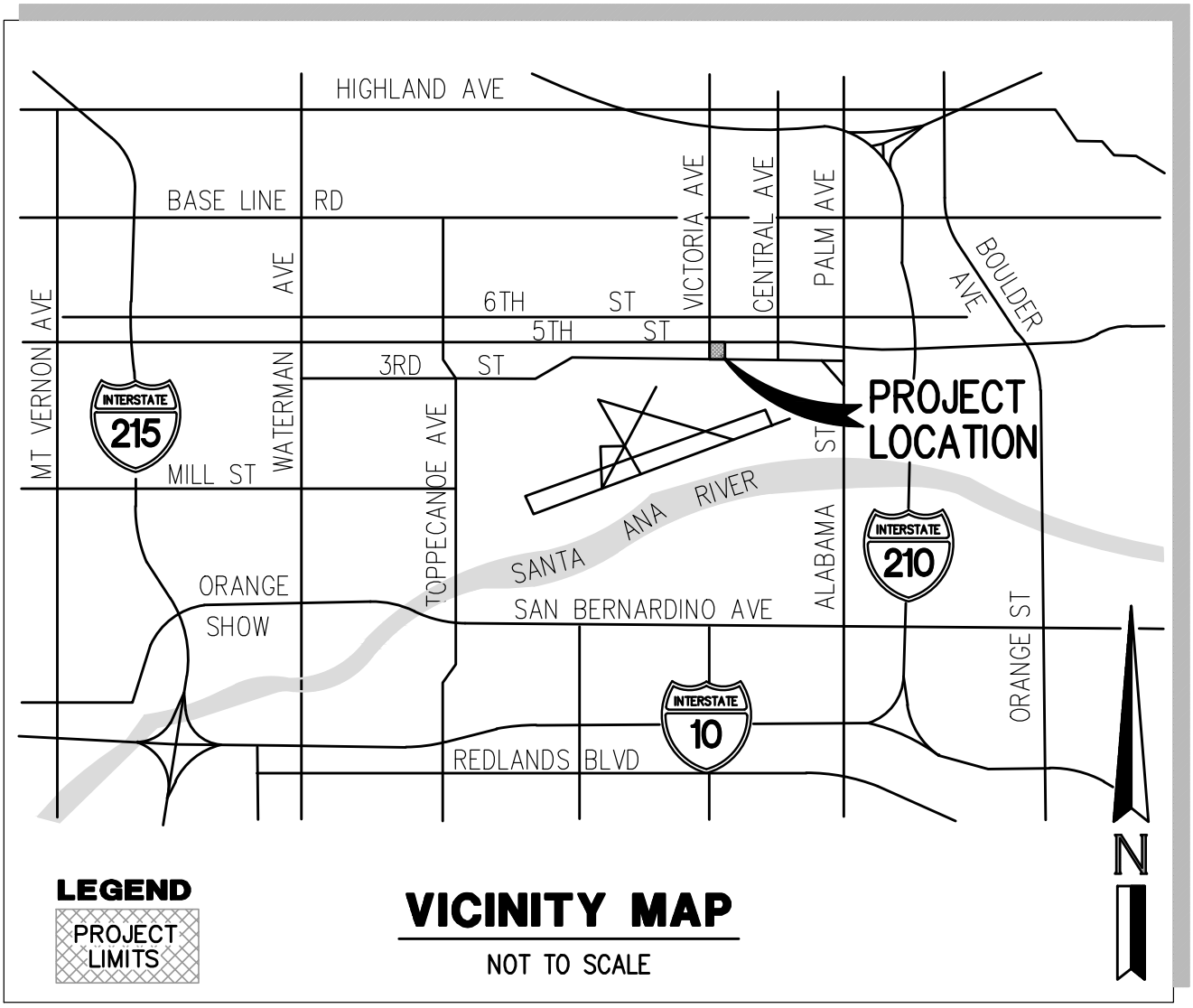
6.3 Post Construction

Attach all O&M Plans and Maintenance Agreements for BMP to the WQMP.

6.4 Other Supporting Documentation

- BMP Educational Materials
- Activity Restriction – C, C&R's & Lease Agreements

Attachment A
WQMP Site Plan

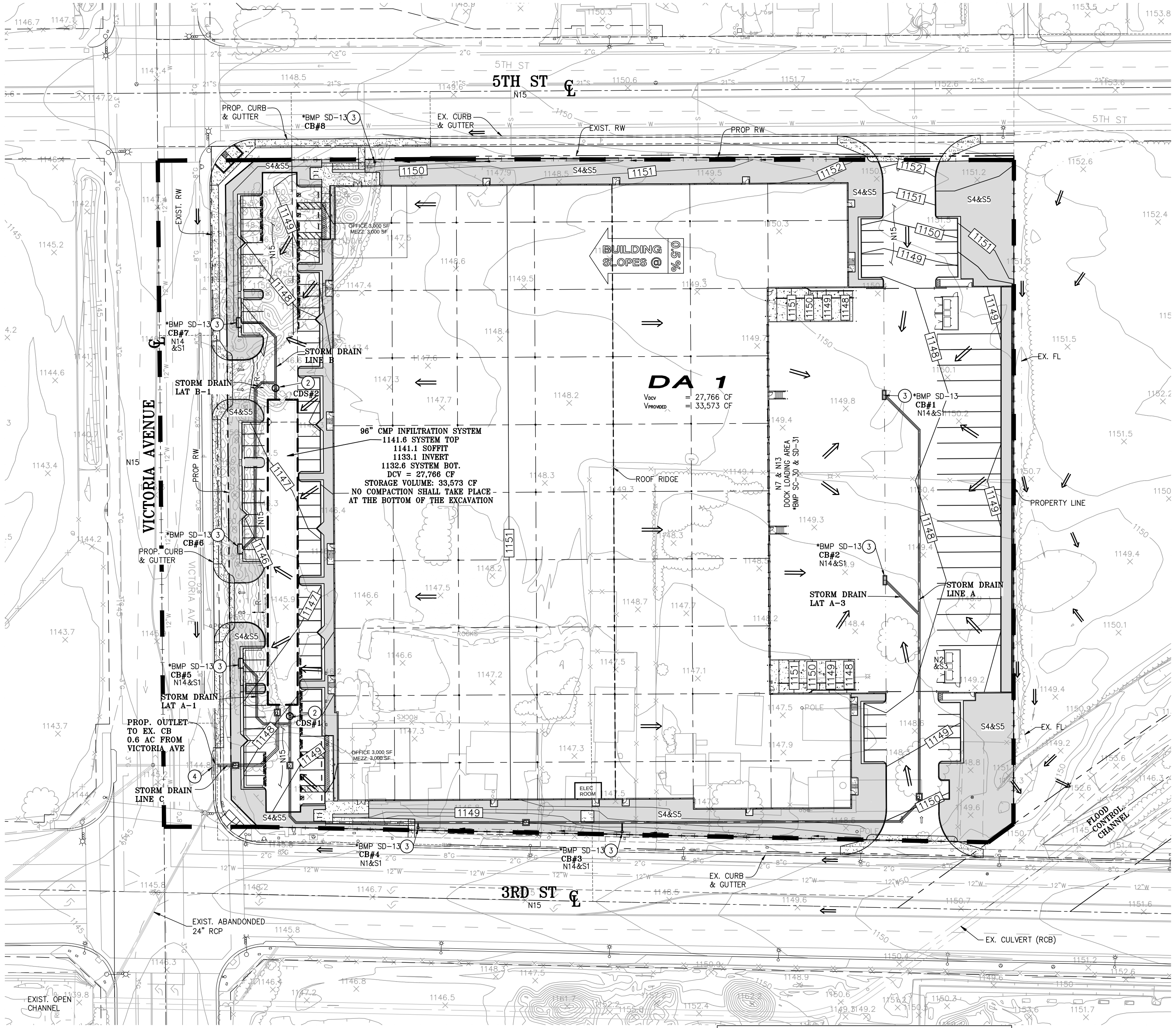


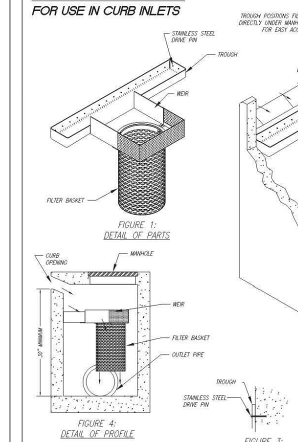
LEGEND

PROJECT LIMITS

VICINITY MAP

NOT TO SCALE





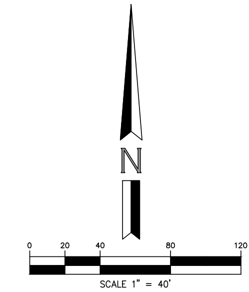
NOTES:

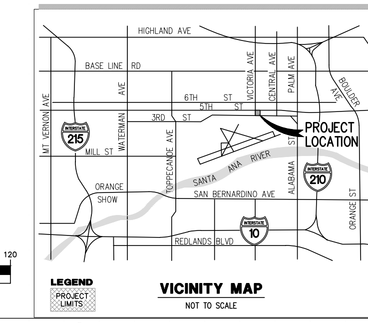
1. TROUGH SYSTEM PROVIDES FOR ENTIRE COVERAGE OF INLET OPENING SO TO DIVERT ALL FLOW TO FILTER.
2. TROUGH SYSTEM MANUFACTURED FROM MARINE GRADE FIBERGLASS, GEL COATED FOR UV PROTECTION.
3. SYSTEM ATTACHED TO THE CATCH BASIN WITH NON-CORROSIVE HARDWARE.
4. FILTER MANUFACTURED OF 100% STAINLESS STEEL.
5. FILTER MADE OF NON-CLOGGIN SCREEN WITH 4.7 MM OPENINGS AND MEETS FULL CAPTURE REQUIREMENTS.
6. FILTER CAN BE FITTED WITH HYDROCARBON ABSORBENT BOOM
7. FILTER IS LOCATED DIRECTLY UNDER THE MANHOLE FOR EASY REMOVAL AND MAINTENANCE.
8. LENGTH OF TROUGH CAN VARY FROM 2' TO 30'
9. OTHER STANDARD AND CUSTOM MODEL SIZES AVAILABLE – CONTACT BIO CLEAN FOR MORE INFORMATION.
10. CONSIDERS A SAFETY FACTOR OF 2.0
11. BYPASS IS FACILITATED VIA OVERFLOW OF THE TROUGH SYSTEM AND IS EQUAL TO THE CAPACITY OF THE CURB OPENING
12. STORAGE CAPACITY BASED ON THE BASKET HALF FULL.
13. ADDITIONAL TREATMENT AND STORAGE CAPACITY CAN BE ACHIEVED BY UTILIZING MULTIPLE FILTER BASKETS.

MODEL NUMBER	TREATMENT FLOW (cfs)*	SOLIDS STORAGE CAPACITY (cu ft)
BC-CURB-FC-30	2.85	2.21
BC-CURB-FC-24	2.85	1.77
BC-CURB-FC-18	2.85	1.33
BC-CURB-FC-12	2.85	0.88

*SEE PAGE 2 FOR EXPLANATION OF FLOW RATES

DRAWING: BIO CLEAN CURB INLET FILTER DETAILS
TREATMENT FLOW RATE: 2.85 cfs
WARRANTY: 5 YEAR MANUFACTURERS
MEETS FULL CAPTURE REQUIREMENTS
MODEL #: BC-CURB-FC
BIO CLEAN ENVIRONMENTAL SERVICES, INC. 398 VIA EL CENTRO, OCEANSIDE CA 92058 PHONE:760-433-7640 FAX:760-433-3176
DATE: 10/12/2017 SCALE: NTS
DRAFTER: M.C.P. UNITS = INCHES
PROJECT: / REVISIONS: DATE:
Bio Clean
A Forterra Company
PAGE 1



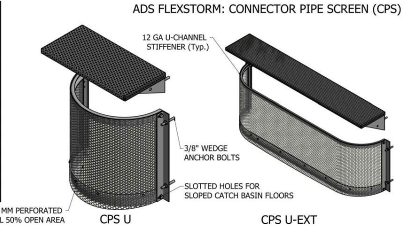


VICINITY MAP
NOT TO SCALE

ADS FLEXSTORM: CONNECTOR PIPE SCREEN (CPS)

Catch Basin Ratings for one year and ten year rain events as determined by LA County hydrology studies		
CB width (ft)	Max Q_{10} (cfs)	Max Q_{1-1} (cfs)
3.5	2.8	0.6
7	5.3	1.2
10	7.5	1.7
14	10	2.2
21	13.9	3.1
28	17.3	3.8

COMBINED INTO SINGLE SHT FOR CONVENIENCE



SIZING TABLE						MINIMUM BYPASS RATINGS for lid designs with 6" Freeboard									
CPS Flow Rates by Model			$Q_{screen} = cA_{screen}\sqrt{2gh}$			B (bypass height) = 4"		B (bypass height) = 6"		B (bypass height) = 8"		B (bypass height) = 10"		B (bypass height) = 12"	
Model	Screen Length	Screen Height	A_{screen} (Net open area)	Q_{screen} Flow Rate (cfs)	L_{bypass} (ft)	Q4	H_4	Q6	H_6	Q8	H_8	Q10	H_{10}	Q12	H_{12}
3L18H-Bypass-Shape	3	18	1.80	8.72	3.00	3.93	8	5.52	7	6.81	6	7.77	5	13.19	10
4L18H-Bypass-Shape	4	18	2.45	11.84	4.00	5.24	8	7.35	7	9.08	6	10.36	5	17.58	10
5L18H-Bypass-Shape	5	18	3.09	14.96	5.00	6.55	8	9.19	7	11.35	6	12.95	5	21.98	10

Determine CPS model number based on screen length and height - bypass height - and screen shape. For example Model 3L18H-8-U is 3' wide x 18" tall, has 8" bypass height, and is "U" shaped. Custom lengths and heights are available for any catch basin.

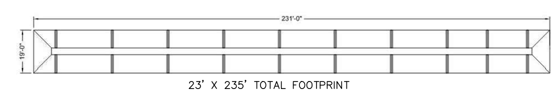
*LA County approved

*Full Capture Device as Certified by the California Regional Water Quality Control Board (CRWQCB)

FLEXSTORM INLET FILTERS
ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC A DIVISION OF ADS, INC. WWW.INLETFILTERS.COM (866) 287-8655 PH (630) 355-3477 FX INFO@INLETFILTERS.COM
SIZE C FRAME TYPE CPS DWG NO Flexstorm CPS REV A SHEET 1 OF 1

NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE 2⅔" x ½" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
- THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.



23' X 235' TOTAL FOOTPRINT

(1) CONTECH 96" CMP SYSTEM
NOT TO SCALE
DETAIL WILL BE PROVIDED IN FINAL WQMP

ASSEMBLY
SCALE: 1" = 30'

PROJECT SUMMARY

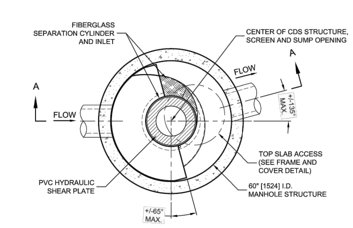
CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 468 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = N/A
- PIPE STORAGE VOLUME = 23,524 CF
- BACKFILL STORAGE VOLUME = 10,048 CF
- TOTAL STORAGE PROVIDED = 33,573 CF

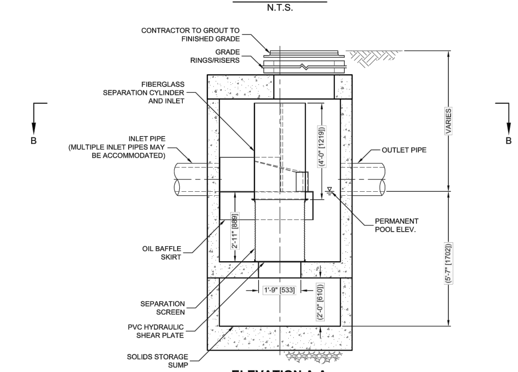
PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 24"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 24"
- BELOW PIPE = 6"

CONTECH ENGINEERED SOLUTIONS LLC www.ContechES.com 9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069 800-338-1122 513-645-7000 513-645-7993 FAX
CONTECH CMP DETENTION SYSTEMS — CONTECH DYODS DRAWING
DYO20919 5th AT VICTORIA INDUSTRIAL
INFLITRATION SYSTEM
Highland, CA
DETENTION SYSTEM
PROJECT No.: 13617 SEQ. No.: 20919 DATE: 8/31/2022
DESIGNED: DYO DRAWN: DYO
CHECKED: DYO APPROVED: DYO
SHEET NO.: 1
DATE | REVISION DESCRIPTION | BY



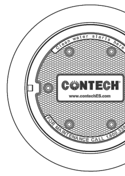
PLAN VIEW B-B
N.T.S.



ELEVATION A-A
N.T.S.

CDS

CDS2025-5-C DESIGN NOTES
THE STANDARD CDS2025-5-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.
CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID			CDS#1
WATER QUALITY FLOW RATE (CFS OR L/s)			*
PEAK FLOW RATE (CFS OR L/s)			*
RETURN PERIOD OF PEAK FLOW (YRS)			*
SCREEN APERTURE (2400 OR 4700)			*
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			*
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
	*	*	
NOTES/SPECIAL REQUIREMENTS:			

* PER ENGINEER OF RECORD

DETAIL WILL BE PROVIDED IN FINAL WQMP.

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

(2) CDS#1 CDS2025-5-C
NOT TO SCALE
DETAIL WILL BE PROVIDED IN FINAL WQMP

CONTECH ENGINEERED SOLUTIONS LLC www.contechES.com 9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069 800-338-1122 513-645-7000 513-645-7993 FAX

CDS2025-5-C
INLINE CDS
STANDARD DETAIL

WQMP MANAGEMENT

	DMA Area (SF)	Imperviousness (%)	Runoff Coefficient	P 2yr-1hr	P6	Drawdown Rate	Design Capture Volume (CF)	BMP	LID BMP Volume Provided (CF)
DA 1	340,680**	84%	0.65	0.519	0.77	1.963	27,766	Underground Infiltration/ Detention System	33,573

**INCLUDES THE ON-SITE PROJECT AREA AND OFF-SITE IMPROVEMENT AREA

LEGEND

	PROPOSED STORM DRAIN
	PROPOSED FLOWLINE
— · · —	DRAINAGE AREA BOUNDARY, INCLUDES OFF-SITE IMPROVEMENT AREA
▭	PROPOSED CATCH BASIN INLET, SOURCE CONTROL BMP: N11, N14, N17, & S1
(shaded)	PROPOSED LANDSCAPING AREA – *BMP SD-10 & SD-12 SOURCE CONTROL BMP: N3, S4, & S5
CB	CATCH BASIN
RD	ROOF DRAIN
⟸	FLOW DIRECTION

WQMP BMP NOTES

1. INSTALL CONTECH UNDERGROUND 96" CMP INFILTRATION SYSTEM SEE DETAIL ON HEREON
2. INSTALL CDS UNIT OR APPROVED EQUAL*
3. INSTALL BIOCLEAN INLET FILTER (STYLE VARIES PER INLET TYPE)
4. INSTALL ADS FLEXSTORM CONNECTOR PIPE SCREEN IN EX. CB. WITH HYDROCARBON RETENTION BOOM. CITY TO HAVE FINAL SAY ON BMP DURING THE FINAL WQMP PREPARATION.

** MODEL DETAIL TO BE PROVIDED IN FINAL WQMP*

ACTIVITY RESTRICTIONS

1. OUTDOOR STORAGE IS PROHIBITED
2. VEHICLE/EQUIPMENT MAINTENANCE IS PROHIBITED
3. VEHICLE/EQUIPMENT WASHING IS PROHIBITED

SOURCE CONTROL BMPs INCLUDED ONSITE		
IDENTIFIER	DESCRIPTION OF BMP	RESPONSIBLE PARTY
N2	INSPECT/MAINTAIN TRASH CONTAINER	OWNER
N3	LANDSCAPE MAINTENANCE BMP'S	OWNER
N7	PROVIDE SPILL PLAN	OWNER
N11	LITTER/DEBRIS CONTROL PROGRAM	OWNER
N13	HOUSEKEEPING OF LOADING DOCKS	OWNER
N14	CATCH BASIN INSPECTION PROGRAM	OWNER
N15	VACUUM SWEEPING OF PARKING LOTS	OWNER
N17	NPDES COMPLIANCE	OWNER
S1	STORM DRAIN STENCILING	OWNER
S3	REDUCED WASTE STORAGE POLLUTION	OWNER
S4	EFFICIENT IRRIGATION SYSTEM	OWNER
S5	LANDSCAPING MIN. 1–2" BELOW PAVEMENT	OWNER

*SEE WQMP REPORT ATTACHMENT C FOR BMP FACT SHEET

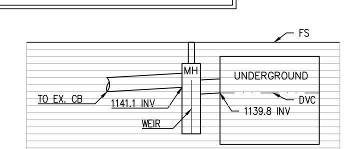
ROOF DRAINS

ROOF DRAINS WILL BE CONNECTED TO THE ONSITE STORM DRAIN SYSTEM AS REQUIRED BY THE CITY OF HIGHLAND. FINAL LOCATIONS HAVE NOT BEEN DETERMINED AND ARE NOT SHOWN ON THIS CWQMP MAP.

NOTES:
1. NO COMPACTION SHALL TAKE PLACE AT THE BOTTOM OF THE EXCAVATION OF THE PROPOSED UNDERGROUND INFILTRATION SYSTEM.
2. THE PROPOSED BMP LOCATIONS ARE NOT TO BE USED FOR STORAGE OF EQUIPMENTS, VECHICLES, OR MATERIALS DURING CONSTRUCTION. THE BMPS ARE TO BE PROTECTED FROM RUNOFF AND ARE NOT TO BE USED AS SEDIMENT TRAPS OR SEDIMENT BASINS DURING CONSTRUCTION.
3. CONTRACTOR MUST COORDINATE TWO DOUBLE RING INFILTRATION TESTS AT THE BOTTOM OF THE UNDERGROUND CHAMBER TRENCH TO CONFIRM THE INFILTRATION RATES PRIOR TO INSTALLATION OF THE CHAMBERS.



(3) STORM DRAIN STENCIL
NOT TO SCALE



CONCEPTUAL OUTFLOW PROFILE
LINE C

WQMP BMP AS-BUILT CERTIFICATE

I HEREBY CERTIFY THAT THE WATER QUALITY MANAGEMENT PLAN BEST MANAGEMENT PRACTICES HAVE BEEN CONSTRUCTED UNDER MY SUPERVISION IN ACCORDANCE WITH THE APPROVED PLANS AND ARE FUNCTIONAL TO THE BEST OF MY KNOWLEDGE.

SIGNATURE ____________ DATE ____________

ENGINEER
HUITT–ZOLLARS
3990 CONCOURS, SUITE 330
ONTARIO, CALIFORNIA 91764
PHONE: (909) 941–7799
CONTACT: MANNY GONZALES

OWNER/DEVELOPER
PATRIOT DEVELOPMENT PARTNERS
12126 W. SUNSET BLVD
LOS ANGELES, CA 90049
PHONE: (858) 952–4134
CONTACT: KEVIN RICE

WQP22-009

PRELIMINARY WATER QUALITY MANAGEMENT PLAN
FOR
5TH AND VICTORIA INDUSTRIAL
CITY OF HIGHLAND

HUITT~ZOLLARS
HUITT-ZOLLARS, INC.
3990 CONCOURS, SUITE 330 * ONTARIO, CALIFORNIA 91764 * (909) 941–7799

DESIGNED BY RN/MG
DRAWN BY RN/HZ STAFF
CHECKED BY MG
FIELD BOOK
SHEET 1 OF 1 SHEETS
JOB NO. 315482.01

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Attachment B
BMP Details

5th at Victoria Industrial

Detention/ Infiltration System Routing Study Summary

Stage Storage Table

#	Depth	Elevation	Area (sf)	Incremental volume (cf)	Total Volume (cf)	Total Volume (acre-ft)	Outflow Q	Notes
1	0.0	1,132.60	5,405	0	0	0		**Bottom of 96" CMP Infiltration/ Detention System**
2	0.5	1,133.10	5,405	1,081	1,081	0.025	1.19	**Invert of 96" CMP**
3	1.5	1,134.10	5,405	3,180	4,261	0.098	1.19	
4	2.5	1,135.10	5,405	3,903	8,164	0.187	1.19	
5	3.5	1,136.10	5,405	4,237	12,401	0.285	1.19	
6	4.5	1,137.10	5,405	4,385	16,786	0.385	1.19	
7	5.5	1,138.10	5,405	4,385	21,171	0.486	1.19	
8	6.5	1,139.10	5,405	4,237	25,408	0.583	1.19	
9	7.5	1,140.10	5,405	3,903	29,311	0.673	1.19	***Meets WQMP DCV @ 1,139.8**
10	8.5	1,141.10	5,405	3,180	32,492	0.746	1.19	**Soffit of 96" CMP Release overflow modeled at 1142.1 Center of 24" (1141.1 + 1)**
11	9.0	1,141.60	5,405	1,081	33,573	0.771	3.56	**Top of Infiltration/ Detention System**
12	11.00	1,143.60	5,405	0	33,573	0.771	19.72	
13	11.50	1,144.10	5,405	0	33,573	0.771	22.58	
14	12.50	1,145.10	5,405	0	33,573	0.771	27.39	

Infiltration rate per geotechnical report = 56"/hr, Factor of Safety =6.
Unit convert = (56"/hr)/6 x (1'/12") X (1hr/60min) X (1 min/60 sec) = 0.00022 ft/sec
Underground Basin open area is 235' x 23' = 5,405 sf
Therefore, Q out for basin = 5,405 X 0.00022 = 1.19 cfs

*WQMP Design Capture Volume is 27,766 CF

Q OutFlow = 24" Drain Pipe+ Basin Infiltration Q
= (CA x (2gh)^(1/2)) + Basin Infiltration Q
= (0.6A x (64.4xh)^(1/2)) + Basin Infiltration Q
A = 24" drain pipe area
h = Water Height Above half of pipe (12")

Example: WSE @ 1144.1
={0.6 x (3.14 x 1)^2)x [64.4 x (1144.1-1142.1)]^(1/2)} + 1.19
= 22.58 cfs

Basin Routing Summary Table

100 YEAR STORM	
Max. Q Out (CFS)	**21.5**
WSE	**1143.91**

Note: System will drain within 40 hrs using a max infiltration of 2.4"/hr
Time to infiltrate entire system = (8ft x 12in/ft) /(2.4in/hr) = 40 hrs

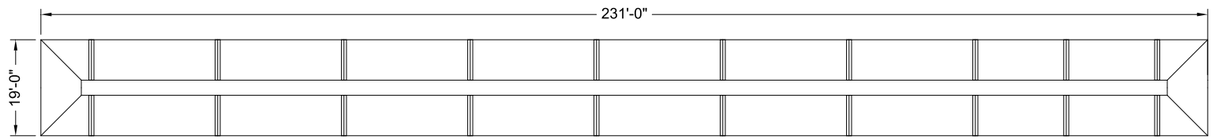
PROJECT SUMMARY

CALCULATION DETAILS
- LOADING = HS20/HS25
- APPROX. LINEAR FOOTAGE = 468 LF

STORAGE SUMMARY
- STORAGE VOLUME REQUIRED = N/A
- PIPE STORAGE VOLUME = 23,524 CF
- BACKFILL STORAGE VOLUME = 10,048 CF
- TOTAL STORAGE PROVIDED = 33,573 CF

PIPE DETAILS
- DIAMETER = 96"
- CORRUGATION = 5x1
- GAGE = 16
- COATING = ALT2
- WALL TYPE = PERFORATED
- BARREL SPACING = 36"

BACKFILL DETAILS
- WIDTH AT ENDS = 24"
- ABOVE PIPE = 6"
- WIDTH AT SIDES = 24"
- BELOW PIPE = 6"



NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE $2\frac{2}{3}$" x $\frac{1}{2}$" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
- THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN, QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
- THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

ASSEMBLY
SCALE: 1" = 30'

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DATE	REVISION DESCRIPTION	BY

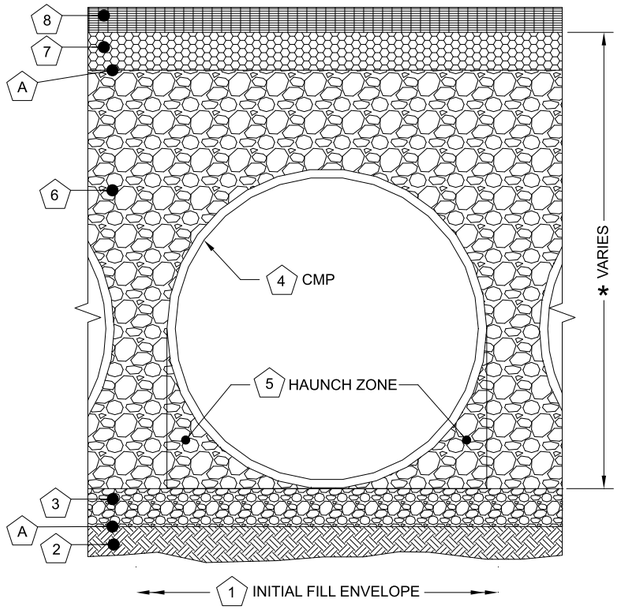
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CONTECH® CMP DETENTION SYSTEMS
CONTECH **DYODS** DRAWING

DYO20919 5th AT VICTORIA INDUSTRIAL INFLITRATION SYSTEM
Highland, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
13617	20919	8/31/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

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Infiltration Systems - CMP Infiltration & CMP Perforated Drainage Pipe			
Material Location	Description	Material Designation	Designation
8 Rigid or Flexible Pavement (if applicable)			
7 Road Base (if applicable			
A Geotextile Layer	Non-Woven Geotextile	CONTECH C-40 or C-45	Engineer Decision for consideration to prevent soil migration into varying soil types. Wrap the trench only.
6 Backfill	Infiltration pipe systems have a pipe perforation sized of 3/8" diameter. An open graded, free draining stone, with a particle size of ½" – 2 ½" diameter is recommended.	AASHTO M 145-A-1 or AASHTO M 43 - 3, 4	Material shall be worked into the pipe haunches by means of shovel-slicing, rodding, air-tamper, vibratory rod, or other effective methods. Compaction of all placed fill material is necessary and shall be considered adequate when no further yielding of the material is observed under the compactor, or under foot, and the Project Engineer or his representative is satisfied with the level of compaction"
3 Bedding Stone	Well graded granular bedding material w/maximum particle size of 3"	AASHTO M43 - 3,357,4,467, 5, 56, 57	For soil aggregates larger than 3/8" a dedicated bedding layer is not required for CMP. Pipe may be placed on the trench bottom comprised of native suitable well graded & granular material. For Arch pipes it is recommended to be shaped to a relatively flat bottom or fine-grade the foundation to a slight v-shape. Soil aggregates less than 3/8" and unsuitable material should be over-excavated and re-placed with a 4"-6" layer of well graded & granular stone per the material designation.
A Geotextile Layer	None	None	Contech does not recommend geotextiles be placed under the invert of Infiltration systems due to the propensity for geotextiles to clog over time.
* Note: The listed AASHTO designations are for gradation only. The stone must also be angular and clean.			

1 MINIMUM WIDTH DEPENDS ON SITE CONDITIONS AND ENGINEERING JUDGEMENT.

FOUNDATION/BEDDING PREPARATION

2 PRIOR TO PLACING THE BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED AND BROUGHT BACK TO THE GRADE WITH A FILL MATERIAL AS APPROVED BY THE ENGINEER.

5 HAUNCH ZONE MATERIAL SHALL BE PLACED AND UNIFORMLY COMPACTED WITHOUT SOFT SPOTS.

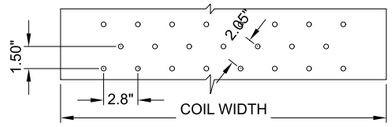
BACKFILL

MATERIAL SHALL BE PLACED IN 8"-10" MAXIMUM LIFTS. INADEQUATE COMPACTION CAN LEAD TO EXCESSIVE DEFLECTIONS WITHIN THE SYSTEM AND SETTLEMENT OF THE SOILS OVER THE SYSTEM. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO-LIFT DIFFERENTIAL BETWEEN THE SIDES OF ANY PIPE IN THE SYSTEM AT ALL TIMES DURING THE BACKFILL PROCESS. BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON ANY PIPES IN THE SYSTEM.

EQUIPMENT USED TO PLACE AND COMPACT THE BACKFILL SHALL BE OF A SIZE AND TYPE SO AS NOT TO DISTORT, DAMAGE, OR DISPLACE THE PIPE. ATTENTION MUST BE GIVEN TO PROVIDING ADEQUATE MINIMUM COVER FOR SUCH EQUIPMENT. MAINTAIN BALANCED LOADING ON ALL PIPES IN THE SYSTEM DURING ALL SUCH OPERATIONS.

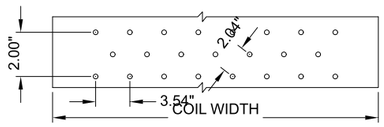
OTHER ALTERNATE BACKFILL MATERIAL MAY BE ALLOWED DEPENDING ON SITE SPECIFIC CONDITIONS. REFER TO TYPICAL BACKFILL DETAIL FOR MATERIAL REQUIRED.

2 2/3" x 1/2" CORRUGATION - STEEL AND ALUMINUM CMP EDGE SPACING EQUAL ON BOTH SIDES



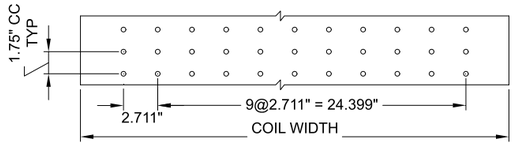
OPEN AREA = 3.76 SQ IN/SQ FT

3" x 1" CORRUGATION - STEEL AND ALUMINUM CMP (COIL PROVIDED FROM CONTECH LANTANA, FL PLANT)



OPEN AREA = 4.16 SQ IN/SQ FT

5" x 1" CORRUGATION - STEEL ONLY
EDGE SPACING EQUAL ON BOTH SIDES



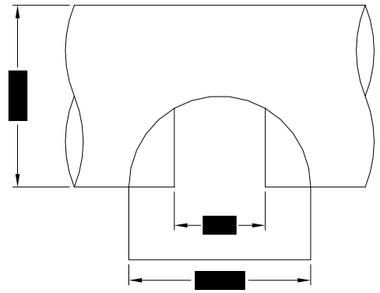
OPEN AREA = 3.33 SQ IN/SQ FT

NOTES:

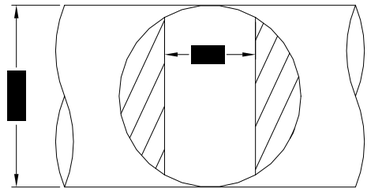
1. PERFORATIONS MEET AASHTO AND ASTM SPECIFICATIONS.
2. PERFORATION OPEN AREA PER SQUARE FOOT OF PIPE IS BASED ON THE NOMINAL DIAMETER AND LENGTH OF PIPE.
3. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
4. ALL HOLES ⌀3/8".

TYPICAL PERFORATION DETAIL

SCALE: N.T.S.



PLAN

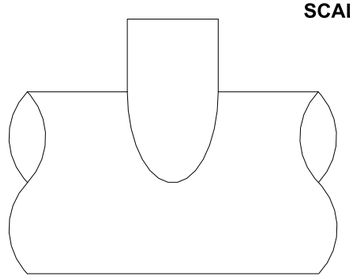


FRONT

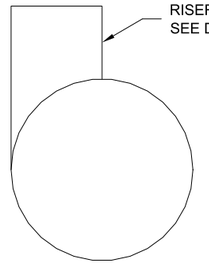
TYPICAL MANWAY DETAIL

SCALE: N.T.S.

NOTE:
MANWAY DETAIL APPLICABLE FOR CMP SYSTEMS WITH DIAMETERS 48" AND LARGER. MANWAYS MAY BE REQUIRED ON SMALLER SYSTEMS DEPENDING ON ACTUAL SITE SPECIFIC CONDITIONS.



ELEVATION

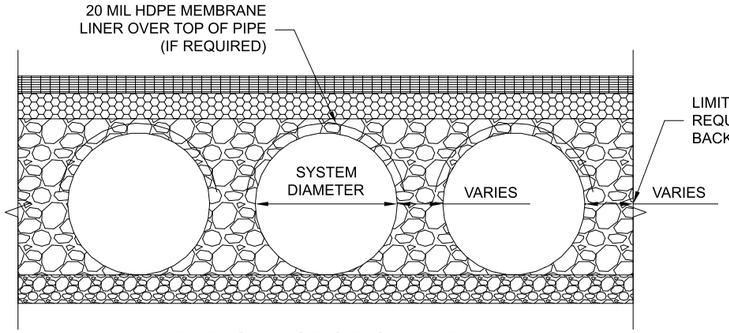


END

TYPICAL RISER DETAIL

SCALE: N.T.S.

NOTE:
LADDERS ARE OPTIONAL AND ARE NOT REQUIRED FOR ALL SYSTEMS.



TYPICAL SECTION VIEW

LINER OVER ROWS
SCALE: N.T.S.

NOTE: IF SALTING AGENTS FOR SNOW AND ICE REMOVAL ARE USED ON OR NEAR THE PROJECT, AN HDPE MEMBRANE LINER IS RECOMMENDED WITH THE SYSTEM. THE IMPERMEABLE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM A CHANGE IN THE SURROUNDING ENVIRONMENT OVER A PERIOD OF TIME. PLEASE REFER TO THE CORRUGATED METAL PIPE DETENTION DESIGN GUIDE FOR ADDITIONAL INFORMATION.

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DATE	REVISION DESCRIPTION	BY

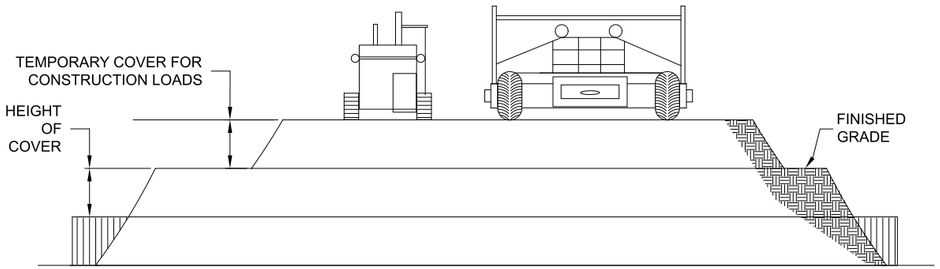
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CONTECH CMP DETENTION SYSTEMS
CONTECH DYODS DRAWING

DYO20919 5th AT VICTORIA INDUSTRIAL
INFLITRATION SYSTEM
Highland, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
13617	20919	8/31/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

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CONSTRUCTION LOADS

FOR TEMPORARY CONSTRUCTION VEHICLE LOADS, AN EXTRA AMOUNT OF COMPACTED COVER MAY BE REQUIRED OVER THE TOP OF THE PIPE. THE HEIGHT-OF-COVER SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE BELOW. THE USE OF HEAVY CONSTRUCTION EQUIPMENT NECESSITATES GREATER PROTECTION FOR THE PIPE THAN FINISHED GRADE COVER MINIMUMS FOR NORMAL HIGHWAY TRAFFIC.

PIPE SPAN, INCHES	AXLE LOADS (kips)			
	18-50	50-75	75-110	110-150
	MINIMUM COVER (FT)			
12-42	2.0	2.5	3.0	3.0
48-72	3.0	3.0	3.5	4.0
78-120	3.0	3.5	4.0	4.0
126-144	3.5	4.0	4.5	4.5

*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

CONSTRUCTION LOADING DIAGRAM

SCALE: N.T.S.

SPECIFICATION FOR DESIGNED DETENTION SYSTEM:

SCOPE
THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE DESIGNED DETENTION SYSTEM DETAILED IN THE PROJECT PLANS.

MATERIAL
THE MATERIAL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2 STEEL COILS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-274 OR ASTM A-92.

THE GALVANIZED STEEL COILS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-218 OR ASTM A-929.

THE POLYMER COATED STEEL COILS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-246 OR ASTM A-742.

THE ALUMINUM COILS SHALL CONFORM TO THE APPLICABLE OF AASHTO M-197 OR ASTM B-744.

CONSTRUCTION LOADS
CONSTRUCTION LOADS MAY BE HIGHER THAN FINAL LOADS. FOLLOW THE MANUFACTURER'S OR NCSPA GUIDELINES.

PIPE
THE PIPE SHALL BE MANUFACTURED IN ACCORDANCE TO THE APPLICABLE REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2: AASHTO M-36 OR ASTM A-760

GALVANIZED: AASHTO M-36 OR ASTM A-760

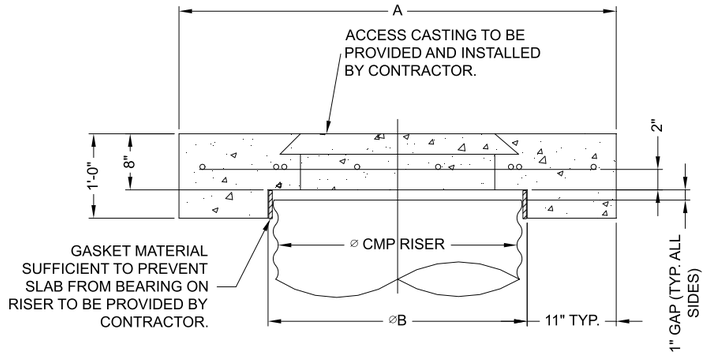
APPLICABLE POLYMER COATED: AASHTO M-245 OR ASTM A-762

ALUMINUM: AASHTO M-196 OR ASTM B-745

APPLICABLE
HANDLING AND ASSEMBLY
SHALL BE IN ACCORDANCE WITH NCSP'S (NATIONAL CORRUGATED STEEL PIPE ASSOCIATION) FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL. SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR ALUMINUM PIPE.
REQUIREMENTS
INSTALLATION
SHALL BE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26, DIVISION II DIVISION II OR ASTM A-798 (FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL) OR ASTM B-788 (FOR ALUMINUM PIPE) AND IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. IF THERE ARE ANY INCONSISTENCIES OR CONFLICTS THE CONTRACTOR SHOULD DISCUSS AND RESOLVE WITH THE SITE ENGINEER.

IT IS ALWAYS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.

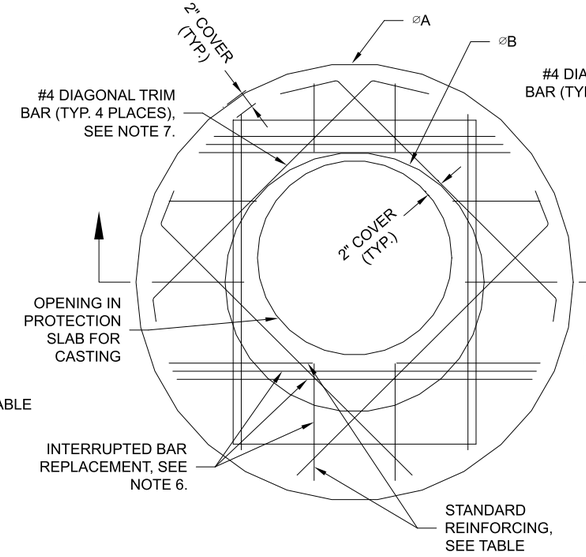
NOTE:
THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.



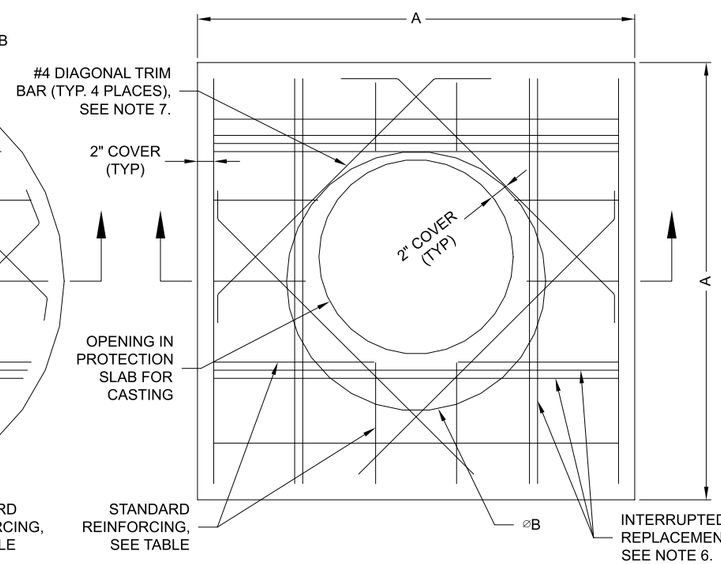
SECTION VIEW

REINFORCING TABLE				
⌀ CMP RISER	A	⌀ B	REINFORCING	**BEARING PRESSURE (PSF)
24"	⌀ 4' 4'X4'	26"	#5 @ 12" OCEW #5 @ 12" OCEW	2,410 1,780
30"	⌀ 4'-6" 4'-6" X 4'-6"	32"	#5 @ 12" OCEW #5 @ 12" OCEW	2,120 1,530
36"	⌀ 5' 5' X 5'	38"	#5 @ 10" OCEW #5 @ 10" OCEW	1,890 1,350
42"	⌀ 5'-6" 5'-6" X 5'-6"	44"	#5 @ 10" OCEW #5 @ 9" OCEW	1,720 1,210
48"	⌀ 6' 6' X 6'	50"	#5 @ 9" OCEW #5 @ 8" OCEW	1,600 1,100

** ASSUMED SOIL BEARING CAPACITY



ROUND OPTION PLAN VIEW



SQUARE OPTION PLAN VIEW

NOTES:

1. DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION.
2. DESIGN LOAD HS25.
3. EARTH COVER = 1' MAX.
4. CONCRETE STRENGTH = 3,500 psi
5. REINFORCING STEEL = ASTM A615, GRADE 60.
6. PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS EQUAL TO THE BARS INTERRUPTED, HALF EACH SIDE. ADDITIONAL BARS TO BE IN THE SAME PLANE.
7. TRIM OPENING WITH DIAGONAL #4 BARS, EXTEND BARS A MINIMUM OF 12" BEYOND OPENING, BEND BARS AS REQUIRED TO MAINTAIN BAR COVER.
8. PROTECTION SLAB AND ALL MATERIALS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
9. DETAIL DESIGN BY DELTA ENGINEERING, BINGHAMTON, NY.

MANHOLE CAP DETAIL

SCALE: N.T.S.

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CONTECH CMP DETENTION SYSTEMS
CONTECH **DYODS** DRAWING

DYO20919 5th AT VICTORIA INDUSTRIAL
INFLITRATION SYSTEM
Highland, CA
DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
13617	20919	8/31/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		

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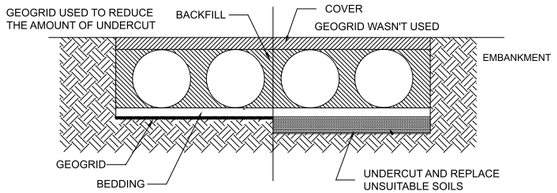
CMP DETENTION INSTALLATION GUIDE

PROPER INSTALLATION OF A FLEXIBLE UNDERGROUND DETENTION SYSTEM WILL ENSURE LONG-TERM PERFORMANCE. THE CONFIGURATION OF THESE SYSTEMS OFTEN REQUIRES SPECIAL CONSTRUCTION PRACTICES THAT DIFFER FROM CONVENTIONAL FLEXIBLE PIPE CONSTRUCTION. CONTECH ENGINEERED SOLUTIONS STRONGLY SUGGESTS SCHEDULING A PRE-CONSTRUCTION MEETING WITH YOUR LOCAL SALES ENGINEER TO DETERMINE IF ADDITIONAL MEASURES, NOT COVERED IN THIS GUIDE, ARE APPROPRIATE FOR YOUR SITE.

FOUNDATION

CONSTRUCT A FOUNDATION THAT CAN SUPPORT THE DESIGN LOADING APPLIED BY THE PIPE AND ADJACENT BACKFILL WEIGHT AS WELL AS MAINTAIN ITS INTEGRITY DURING CONSTRUCTION.

IF SOFT OR UNSUITABLE SOILS ARE ENCOUNTERED, REMOVE THE POOR SOILS DOWN TO A SUITABLE DEPTH AND THEN BUILD UP TO THE APPROPRIATE ELEVATION WITH A COMPETENT BACKFILL MATERIAL. THE STRUCTURAL FILL MATERIAL GRADATION SHOULD NOT ALLOW THE MIGRATION OF FINES, WHICH CAN CAUSE SETTLEMENT OF THE DETENTION SYSTEM OR PAVEMENT ABOVE. IF THE STRUCTURAL FILL MATERIAL IS NOT COMPATIBLE WITH THE UNDERLYING SOILS AN ENGINEERING FABRIC SHOULD BE USED AS A SEPARATOR. IN SOME CASES, USING A STIFF REINFORCING GEOGRID REDUCES OVER EXCAVATION AND REPLACEMENT FILL QUANTITIES.

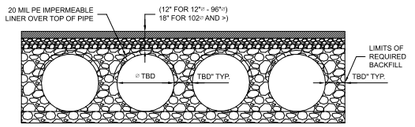


GRADE THE FOUNDATION SUBGRADE TO A UNIFORM OR SLIGHTLY SLOPING GRADE. IF THE SUBGRADE IS CLAY OR RELATIVELY NON-POROUS AND THE CONSTRUCTION SEQUENCE WILL LAST FOR AN EXTENDED PERIOD OF TIME, IT IS BEST TO SLOPE THE GRADE TO ONE END OF THE SYSTEM. THIS WILL ALLOW EXCESS WATER TO DRAIN QUICKLY, PREVENTING SATURATION OF THE SUBGRADE.

GEOMEMBRANE BARRIER

A SITE'S RESISTIVITY MAY CHANGE OVER TIME WHEN VARIOUS TYPES OF SALTING AGENTS ARE USED, SUCH AS ROAD SALTS FOR DEICING AGENTS. IF SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE, A GEOMEMBRANE BARRIER IS RECOMMENDED WITH THE SYSTEM. THE GEOMEMBRANE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM THE USE OF SUCH AGENTS INCLUDING PREMATURE CORROSION AND REDUCED ACTUAL SERVICE LIFE.

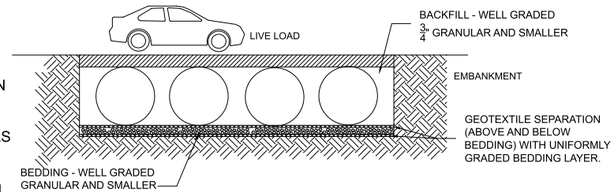
THE PROJECT'S ENGINEER OF RECORD IS TO EVALUATE WHETHER SALTING AGENTS WILL BE USED ON OR NEAR THE PROJECT SITE, AND USE HIS/HER BEST JUDGEMENT TO DETERMINE IF ANY ADDITIONAL PROTECTIVE MEASURES ARE REQUIRED. BELOW IS A TYPICAL DETAIL SHOWING THE PLACEMENT OF A GEOMEMBRANE BARRIER FOR PROJECTS WHERE SALTING AGENTS ARE USED ON OR NEAR THE PROJECT SITE.



IN-SITU TRENCH WALL

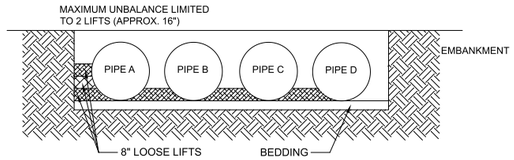
IF EXCAVATION IS REQUIRED, THE TRENCH WALL NEEDS TO BE CAPABLE OF SUPPORTING THE LOAD THAT THE PIPE SHEDS AS THE SYSTEM IS LOADED. IF SOILS ARE NOT CAPABLE OF SUPPORTING THESE LOADS, THE PIPE CAN DEFLECT. PERFORM A SIMPLE SOIL PRESSURE CHECK USING THE APPLIED LOADS TO DETERMINE THE LIMITS OF EXCAVATION BEYOND THE SPRING LINE OF THE OUTER MOST PIPES.

IN MOST CASES THE REQUIREMENTS FOR A SAFE WORK ENVIRONMENT AND PROPER BACKFILL PLACEMENT AND COMPACTION TAKE CARE OF THIS CONCERN.



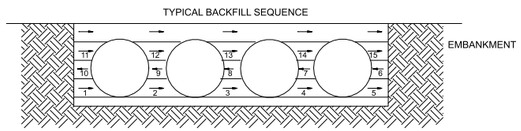
BACKFILL PLACEMENT

MATERIAL SHALL BE WORKED INTO THE PIPE HAUNCHES BY MEANS OF SHOVEL-SLICING, RODDING, AIR TAMPER, VIBRATORY ROD, OR OTHER EFFECTIVE METHODS.

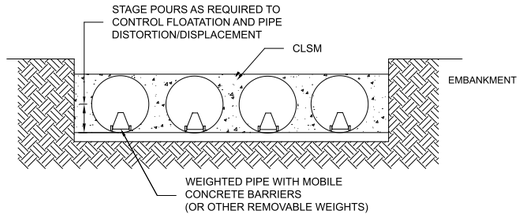


IF AASHTO T99 PROCEDURES ARE DETERMINED INFEASIBLE BY THE GEOTECHNICAL ENGINEER OF RECORD, COMPACTION IS CONSIDERED ADEQUATE WHEN NO FURTHER YIELDING OF THE MATERIAL IS OBSERVED UNDER THE COMPACTOR, OR UNDER FOOT, AND THE GEOTECHNICAL ENGINEER OF RECORD (OR REPRESENTATIVE THEREOF) IS SATISFIED WITH THE LEVEL OF COMPACTION.

FOR LARGE SYSTEMS, CONVEYOR SYSTEMS, BACKHOES WITH LONG REACHES OR DRAGLINES WITH STONE BUCKETS MAY BE USED TO PLACE BACKFILL. ONCE MINIMUM COVER FOR CONSTRUCTION LOADING ACROSS THE ENTIRE WIDTH OF THE SYSTEM IS REACHED, ADVANCE THE EQUIPMENT TO THE END OF THE RECENTLY PLACED FILL, AND BEGIN THE SEQUENCE AGAIN UNTIL THE SYSTEM IS COMPLETELY BACKFILLED. THIS TYPE OF CONSTRUCTION SEQUENCE PROVIDES ROOM FOR STOCKPILED BACKFILL DIRECTLY BEHIND THE BACKHOE, AS WELL AS THE MOVEMENT OF CONSTRUCTION TRAFFIC. MATERIAL STOCKPILES ON TOP OF THE BACKFILLED DETENTION SYSTEM SHOULD BE LIMITED TO 8- TO 10-FEET HIGH AND MUST PROVIDE BALANCED LOADING ACROSS ALL BARRELS. TO DETERMINE THE PROPER COVER OVER THE PIPES TO ALLOW THE MOVEMENT OF CONSTRUCTION EQUIPMENT SEE TABLE 1, OR CONTACT YOUR LOCAL CONTECH SALES ENGINEER.



WHEN FLOWABLE FILL IS USED, YOU MUST PREVENT PIPE FLOATATION. TYPICALLY, SMALL LIFTS ARE PLACED BETWEEN THE PIPES AND THEN ALLOWED TO SET-UP PRIOR TO THE PLACEMENT OF THE NEXT LIFT. THE ALLOWABLE THICKNESS OF THE CLSM LIFT IS A FUNCTION OF A PROPER BALANCE BETWEEN THE UPLIFT FORCE OF THE CLSM, THE OPPOSING WEIGHT OF THE PIPE, AND THE EFFECT OF OTHER RESTRAINING MEASURES. THE PIPE CAN CARRY LIMITED FLUID PRESSURE WITHOUT PIPE DISTORTION OR DISPLACEMENT, WHICH ALSO AFFECTS THE CLSM LIFT THICKNESS. YOUR LOCAL CONTECH SALES ENGINEER CAN HELP DETERMINE THE PROPER LIFT THICKNESS.

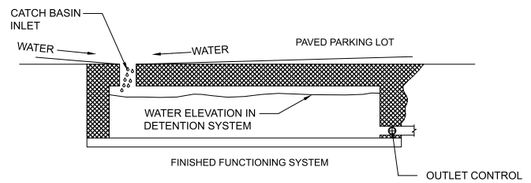


CONSTRUCTION LOADING

TYPICALLY, THE MINIMUM COVER SPECIFIED FOR A PROJECT ASSUMES H-20 LIVE LOAD. BECAUSE CONSTRUCTION LOADS OFTEN EXCEED DESIGN LIVE LOADS, INCREASED TEMPORARY MINIMUM COVER REQUIREMENTS ARE NECESSARY. SINCE CONSTRUCTION EQUIPMENT VARIES FROM JOB TO JOB, IT IS BEST TO ADDRESS EQUIPMENT SPECIFIC MINIMUM COVER REQUIREMENTS WITH YOUR LOCAL CONTECH SALES ENGINEER DURING YOUR PRE-CONSTRUCTION MEETING.

ADDITIONAL CONSIDERATIONS

BECAUSE MOST SYSTEMS ARE CONSTRUCTED BELOW-GRADE, RAINFALL CAN RAPIDLY FILL THE EXCAVATION; POTENTIALLY CAUSING FLOATATION AND MOVEMENT OF THE PREVIOUSLY PLACED PIPES. TO HELP MITIGATE POTENTIAL PROBLEMS, IT IS BEST TO START THE INSTALLATION AT THE DOWNSTREAM END WITH THE OUTLET ALREADY CONSTRUCTED TO ALLOW A ROUTE FOR THE WATER TO ESCAPE. TEMPORARY DIVERSION MEASURES MAY BE REQUIRED FOR HIGH FLOWS DUE TO THE RESTRICTED NATURE OF THE OUTLET PIPE.



CMP DETENTION SYSTEM INSPECTION AND MAINTENANCE

UNDERGROUND STORMWATER DETENTION AND INFILTRATION SYSTEMS MUST BE INSPECTED AND MAINTAINED AT REGULAR INTERVALS FOR PURPOSES OF PERFORMANCE AND LONGEVITY.

INSPECTION

INSPECTION IS THE KEY TO EFFECTIVE MAINTENANCE OF CMP DETENTION SYSTEMS AND IS EASILY PERFORMED. CONTECH RECOMMENDS ONGOING, ANNUAL INSPECTIONS. SITES WITH HIGH TRASH LOAD OR SMALL OUTLET CONTROL ORIFICES MAY NEED MORE FREQUENT INSPECTIONS. THE RATE AT WHICH THE SYSTEM COLLECTS POLLUTANTS WILL DEPEND MORE ON SITE SPECIFIC ACTIVITIES RATHER THAN THE SIZE OR CONFIGURATION OF THE SYSTEM.

INSPECTIONS SHOULD BE PERFORMED MORE OFTEN IN EQUIPMENT WASHDOWN AREAS, IN CLIMATES WHERE SANDING AND/OR SALTING OPERATIONS TAKE PLACE, AND IN OTHER VARIOUS INSTANCES IN WHICH ONE WOULD EXPECT HIGHER ACCUMULATIONS OF SEDIMENT OR ABRASIVE/ CORROSIVE CONDITIONS. A RECORD OF EACH INSPECTION IS TO BE MAINTAINED FOR THE LIFE OF THE SYSTEM

MAINTENANCE

CMP DETENTION SYSTEMS SHOULD BE CLEANED WHEN AN INSPECTION REVEALS ACCUMULATED SEDIMENT OR TRASH IS CLOGGING THE DISCHARGE ORIFICE.

ACCUMULATED SEDIMENT AND TRASH CAN TYPICALLY BE EVACUATED THROUGH THE MANHOLE OVER THE OUTLET ORIFICE. IF MAINTENANCE IS NOT PERFORMED AS RECOMMENDED, SEDIMENT AND TRASH MAY ACCUMULATE IN FRONT OF THE OUTLET ORIFICE. MANHOLE COVERS SHOULD BE SECURELY SEATED FOLLOWING CLEANING ACTIVITIES. CONTECH SUGGESTS THAT ALL SYSTEMS BE DESIGNED WITH AN ACCESS/INSPECTION MANHOLE SITUATED AT OR NEAR THE INLET AND THE OUTLET ORIFICE. SHOULD IT BE NECESSARY TO GET INSIDE THE SYSTEM TO PERFORM MAINTENANCE ACTIVITIES, ALL APPROPRIATE PRECAUTIONS REGARDING CONFINED SPACE ENTRY AND OSHA REGULATIONS SHOULD BE FOLLOWED.

ANNUAL INSPECTIONS ARE BEST PRACTICE FOR ALL UNDERGROUND SYSTEMS. DURING THIS INSPECTION, IF EVIDENCE OF SALTING/DE-ICING AGENTS IS OBSERVED WITHIN THE SYSTEM, IT IS BEST PRACTICE FOR THE SYSTEM TO BE RINSED, INCLUDING ABOVE THE SPRING LINE SOON AFTER THE SPRING THAW AS PART OF THE MAINTENANCE PROGRAM FOR THE SYSTEM.

MAINTAINING AN UNDERGROUND DETENTION OR INFILTRATION SYSTEM IS EASIEST WHEN THERE IS NO FLOW ENTERING THE SYSTEM. FOR THIS REASON, IT IS A GOOD IDEA TO SCHEDULE THE CLEANOUT DURING DRY WEATHER.

THE FOREGOING INSPECTION AND MAINTENANCE EFFORTS HELP ENSURE UNDERGROUND PIPE SYSTEMS USED FOR STORMWATER STORAGE CONTINUE TO FUNCTION AS INTENDED BY IDENTIFYING RECOMMENDED REGULAR INSPECTION AND MAINTENANCE PRACTICES. INSPECTION AND MAINTENANCE RELATED TO THE STRUCTURAL INTEGRITY OF THE PIPE OR THE SOUNDNESS OF PIPE JOINT CONNECTIONS IS BEYOND THE SCOPE OF THIS GUIDE.

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CONTECH CMP DETENTION SYSTEMS

CONTECH **DYODS** DRAWING

DYO20919 5th AT VICTORIA INDUSTRIAL INFLITRATION SYSTEM Highland, CA DETENTION SYSTEM

PROJECT No.:	SEQ. No.:	DATE:
13617	20919	8/31/2022
DESIGNED: DYO	DRAWN: DYO	
CHECKED: DYO	APPROVED: DYO	
SHEET NO.: 1		



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Corrugated Metal Pipe Design Guide

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Durability Design Guide for Drainage Products

Proper design of culverts and storm sewers requires structural, hydraulic and durability considerations. While most designers are comfortable with structural and hydraulic design, the mechanics of evaluating abrasion, corrosion and water chemistry to perform a durability design are not commonly found in most civil engineering handbooks.

The durability and service life of a drainage pipe installation is directly related to the environmental conditions encountered at the site and the type of materials and coatings from which the culvert is fabricated. Two principle causes of early failure in drainage pipe materials are corrosion and abrasion.

Service life can be affected by the corrosive action of the backfill in contact with the outside of a drainage pipe or more commonly by the corrosive and abrasive action of the flow in the invert of the drainage pipe. The design life analysis should include a check for both the water side and soil side environments to determine which is more critical— or which governs service life.

The potential for metal loss in the invert of a drainage pipe due to abrasive flows is often overlooked by designers and its effects are often mistaken for corrosion. An estimate for potential abrasion is required at each pipe location in order to determine the appropriate material and gage.

This manual is intended to guide specifiers through the mechanics of selecting appropriate drainage products to meet service life requirements. The information contained in the following pages is a composite of several national guidelines.



Using the Design Guide

The choice of material, gage and product type can be extremely important to service life. The following steps describe the procedure for selecting the appropriate drainage product, material and gage to meet a specific service life requirement.

Design Sequence

1. Select pipe or structure based on hydraulic and clearance requirements. Use Tables 4 and 5 as reference for size limits and hydraulic properties of all drainage products.
2. Use Height of Cover tables for the chosen pipe or structure to determine the material gage required for the specific loading condition.
3. Use Table 1 to select the appropriate material for the site-specific environmental conditions. Whenever possible, existing installations of drainage structures along the same water course offer the most reliable estimate of long-term performance for specific environment conditions. In many cases, there will be more than one material that is appropriate for the project environmental conditions. Generally speaking, the metal material types increase in price as you move from top down on Table 1. Please contact your local CONTECH Sales Representative for pricing.
4. Use Table 2 to determine which abrasion level most accurately describes the typical storm event (2 year storm). The expected stream velocity and associated abrasion conditions should be based on a typical flow and not a 10 or 50-year design flood.
5. Use Table 3 to determine whether the structural gage for the selected material is sufficient for the design service life. If the structural gage is greater than or equal to the gage required for a particular abrasion condition and service life, use the structural gage. Conversely, if the structural gage is less than the gage required for a particular abrasion condition and service life, use the gage required by Table 3.

Note:

Both Contech round pipe and pipe-arch are available with either helical or annular corrugations. Contech HEL-COR® pipe (helical corrugations) is furnished with continuous lock seams and annular re-rolled ends. Contech riveted pipe is furnished with annular corrugations only. The height of cover tables in this guide are helical corrugations only. Consult your Contech representative for Height of Cover tables on riveted pipe.

Table 1 — Recommended Environments

Material Type	Soil* and Water pH 3 4 5 6 7 8 9 10 11 12	Resistivity (ohm-cm) Minimum	Maximum
Galvanized Steel*		2000	8000
Aluminized Steel Type 2		1500	N/A
Polymer Coated		250	N/A
Aluminum Alloy		500	N/A

**Appropriate pH range for Galvanized Steel is 6.0 to 10*

Table 2 — FHWA Abrasion Guidelines

Abrasion Level	Abrasion Condition	Bed Load	Flow Velocity (fps)
1	Non- Abrasive	None	Minimal
2	Low Abrasion	Minor	< 5
3	Moderate Abrasion	Moderate	5 - 15
4	Severe Abrasion	Heavy	> 15

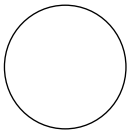
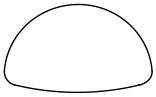
"Interim Direct Guidelines on Drainage Pipe Alternative Selection." FHWA, 2005.

Table 3 — Drainage Product Usage Guide[1]

Application	Culverts, Storm Drain, Cross Drain, Median Drain, Side Drain											
Roadway Classification	Rural	Minor	Major	Urban	Rural	Minor	Major	Urban	Rural	Minor	Major	Urban
Design Service Life	25	50	75	100	25	50	75	100	25	50	75	100
Abrasion Level	Abrasion Level 1 & 2				Abrasion Level 3				Abrasion Level 4			
CMP (1/2" & 1" deep corrugations, ULTRA FLO [3] & Smooth Cor [2,3])	Minimum gage required to meet design service life, assuming that structural design has been met.											
Galvanized (2 oz.)	*16*	*12*	*10*	*8[4]*	*14*	*10*	8	N/A	*14[5]*	*10[5]*	*8[5]*	N/A
Galvanized and Asphalt Coated	16	14	10	8	14	12	8	N/A	14[5]	12[5]	8[5]	N/A
Galv., Asphalt Coated and Paved Invert	16	16	14	10	16	14	12	8	14	12	10	N/A
Aluminized Type 2	16	16	16	14	14	14	14	12	14[6]	14[6]	14[6]	12[6]
Polymer Coated	16	16	16[8]	16[9]	16	16	16[8]	16[9]	14[7]	14[7]	14[7,8]	14[7,9]
Aluminum Alloy	16	16	16	16	14	14	14	14	14[5]	14[5]	14[5]	14[5]

1. *Based on Table 1 - Recommended Environments.*
2. *SmoothCor™ Steel Pipe combines a corrugated steel exterior shell with a hydraulically smooth interior liner.*
3. *Service life estimates for ULTRA FLO® and SmoothCor Pipe assume a storm sewer application. Storm sewers rarely achieve abrasion levels 3 or 4. For applications other than storm sewers or abrasion conditions above Abrasion Level 2, please contact your Contech Sales Representative for gage and coating recommendations.*
4. *Design service life for 8 gage galvanized is 97 years.*
5. *Invert protection to consist of velocity reduction structures.*
6. *Asphalt coated and paved invert or velocity reduction structures are needed.*
7. *Requires a field applied concrete paved invert with minimum thickness 1" above corrugation crests.*
8. *75 year service life for polymer coated is based on a pH range of 4-9 and resistivity greater than 750 ohm-cm.*
9. *100 year service life for polymer coated is based on a pH range of 5-9 and resistivity greater than 1500 ohm-cm.*

Table 4 - Product Dimensions

	Drainage Product	Common Uses	Size Limits* Minimum	Size Limits* Maximum	Manning's "n" Value
 Round Pipe	Corrugated Steel (1/2" deep corrugation)	Culverts, small bridges, storm water detention/ retention systems, conduits, tunnels, storm sewers.	12"	84"	0.011 - 0.021
	Corrugated Steel with Paved Invert (1/2" deep corrugation)		12"	84"	0.014 - 0.020
	Corrugated Steel (1" deep corrugation)		54"	144"	0.022 - 0.027
	Corrugated Steel with Paved Invert (1" deep corrugation)		54"	144"	0.019 - 0.023
	Corrugated Aluminum (1/2" deep corrugation)		12"	72"	0.011 - 0.021
	Corrugated Aluminum (1" deep corrugation)		30"	120"	0.023 - 0.027
	ULTRA FLO® Steel	Storm sewers, culverts, storm water detention/ retention systems.	18"	102"	0.012
	ULTRA FLO Aluminum		18"	84"	0.012
	SmoothCor™ Steel (1/2" deep corrugation)		18"	66"	0.012
	SmoothCor Steel (1" deep corrugation)		48"	126"	0.012
 Pipe-Arch	Corrugated Steel (1/2" deep corrugation)	Culverts, small bridges, storm water detention/ retention systems, conduits, tunnels, storm sewers.	17" x 13"	83" x 57"	0.011 - 0.021
	Corrugated Steel with Paved Invert (1/2" deep corrugation)		17" x 13"	83" x 57"	0.014 - 0.019
	Corrugated Steel (1" deep corrugation)		53" x 41"	142" x 91"	0.023 - 0.027
	Corrugated Steel with Paved Invert (1" deep corrugation)		53" x 41"	142" x 91"	0.019 - 0.022
	Corrugated Aluminum (1/2" deep corrugation)		17" x 13"	71" x 47"	0.011 - 0.021
	Corrugated Aluminum (1" deep corrugation)		60" x 46"	112" x 75"	0.023 - 0.027
	ULTRA FLO Steel	Storm sewers, culverts, storm water detention/ retention systems.	20" x 16"	66" x 51"	0.012
	ULTRA FLO Aluminum		20" x 16"	66" x 51"	0.012
	SmoothCor Steel (1/2" deep corrugation)		21" x 15"	77" x 52"	0.012
	SmoothCor Steel (1" deep corrugation)		53" x 41"	137" x 87"	0.012

* *For sizes outside of these limits, please contact your Contech representative.*

Table 5 — Corrugated Steel Pipe—Values of Coefficient of Roughness (n)

	All Diameters	1-1/2" x 1/4"		Helical* Corrugation Helical—2-2/3" x 1/2"						
2-2/3" x 1/2"	**Annular**	**8 in.**	**10 in.**	**12 in.**	**15 in.**	**18 in.**	**24 in.**	**36 in.**	**48 in.**	**60 in. +**
Unpaved	0.024	0.012	0.014	0.011	0.012	0.013	0.015	0.018	0.020	0.021
PAVED-INVERT	0.021						0.014	0.017	0.020	0.019
SmoothCor	N/A					0.012	0.012	0.012	0.012	0.012

		Helical*—3" x 1"							
3" x 1"	**Annular**	**36 in.**	**42 in.**	**48 in.**	**54 in.**	**60 in.**	**66 in.**	**72 in.**	**78 in. +**
Unpaved	0.027	0.022	0.022	0.023	0.023	0.024	0.025	0.026	0.027
PAVED-INVERT	0.023	0.019	0.019	0.020	0.020	0.021	0.022	0.022	0.023
SmoothCor	N/A			0.012	0.012	0.012	0.012	0.012	0.012

		Helical*—5" x 1"							
5" x 1"	**Annular**			**48 in.**	**54 in.**	**60 in.**	**66 in.**	**72 in.**	**78 in. +**
Unpaved	N/A			0.022	0.022	0.023	0.024	0.024	0.025
PAVED-INVERT	N/A			0.019	0.019	0.020	0.021	0.021	0.022
ULTRA FLO	N/A	**3/4" x 3/4" x 7-1/2"** All diameters n = 0.012							

* *Tests on helically corrugated pipe demonstrate a lower coefficient of roughness than for annularly corrugated steel pipe. Pipe-arches approximately have the same roughness characteristics as their equivalent round pipes.*

Table 6 - AASHTO Reference Specifications					
	Material Type	**Material**	**Pipe**	**Design***	**Installation***
Pipe & Pipe-Arch	**CMP (1/2" or 1" deep corrugations)**				
	Galvanized (2 oz.)	M218	M36	Section 12	Section 26
	Asphalt Coated	M190	M36	Section 12	Section 26
	Asphalt Coated and Paved Invert	M190	M36	Section 12	Section 26
	Aluminized Type 2	M274	M36	Section 12	Section 26
	Polymer Coated	M246	M36 & M245	Section 12	Section 26
	Aluminum Alloy	M197	M196	Section 12	Section 26
	ULTRA FLO (3/4" x 3/4" x 7-1/2" corrugation)				
	Galvanized (2 oz.)	M218	M36	Section 12	Section 26
	Aluminized Type 2	M274	M36	Section 12	Section 26
	Polymer Coated	M246	M36 & M245	Section 12	Section 26
	Aluminum Alloy	M197	M196	Section 12	Section 26
	SmoothCor				
	Polymer Coated	M246	M36 & M245	Section 12	Section 26

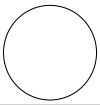
* *AASHTO LRFD Bridge Design Specification and AASHTO Standard Specification for Highway Bridges*



Corrugated Steel Pipe

Heights of Cover

2-2/3" x 1/2" Height of Cover Limits for Corrugated Steel Pipe



H 20 and H 25 Live Loads

Diameter or Span, Inches	Minimum Cover, Inches	Maximum Cover, Feet[2] Specified Thickness, Inches 0.052	0.064	0.079	0.109	0.138	0.168
6[10]	12	388	486				
8[10]		291	365				
10[10]		233	392				
12		197	248	310			
15		158	198	248			
18		131	165	206			
21		113	141	177	248		
24		98	124	155	217		
30			99	124	173		
36			83	103	145	186	
42			71	88	124	159	195
48			62	77	108	139	171
54				67	94	122	150
60					80	104	128
66					68	88	109
72						75	93
78							79
84	12						66

E 80 Live Loads

Diameter or Span, Inches	Minimum Cover, Inches	Maximum Cover, Feet[2] Specified Thickness, Inches 0.052	0.064	0.079	0.109	0.138	0.168
12	12	197	248	310			
15		158	198	248			
18		131	165	206			
21		113	141	177	248		
24		98	124	155	217		
30			99	124	173		
36			83	103	145	186	
42			71	88	124	159	195
48	12		62	77	108	139	171
54	18			67	94	122	150
60					80	104	128
66					68	88	109
72	18					75	93
78	24						79
84	24						66



H 20 and H 25 Live Loads, Pipe-Arch

Size Round Equivalent, Inches	Span x Rise, Inches	Minimum Structural Thickness, Inches	Minimum Cover, Inches	Maximum[7] Cover, Feet 2 Tons/Ft.² Corner Bearing Pressure
15	17 x 13	0.064	12	16
18	21 x 15	0.064		15
21	24 x 18	0.064		
24	28 x 20	0.064		
30	35x 24	0.064		
36	42 x 29	0.064		
42	49 x 33	0.064*		
48	57 x 38	0.064*		
54	64 x 43	0.079*		
60	71 x 47	0.109*		
66	77 x 52	0.109*		
72	83 x 57	0.138*	12	15

E 80 Live Loads, Pipe-Arch

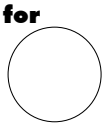
Size Round Equivalent, Inches	Span x Rise, Inches	Minimum Structural Thickness, Inches	Minimum Cover, Inches	Maximum[8] Cover, Feet 3 Tons/Ft.² Corner Bearing Pressure
15	17 x 13	0.079	24	22
18	21 x 15	0.079		
21	24 x 18	0.109		
24	28 x 20	0.109		
30	35 x 24	0.138		
36	42 x 29	0.138		
42	49 x 33	0.138*		
48	57 x 38	0.138*		
54	64 x 43	0.138*		
60	71 x 47	0.138*	24	22

* *These values are based on the AISI Flexibility Factor limit (0.0433 x 1.5) for pipe-arch.*

Heights of Cover Notes:

1. These tables are for lock-seam or welded-seam construction. They are not for riveted construction. Consult your Contech Sales Representative for Height of Cover tables on riveted pipe.
2. These values, where applicable, were calculated using a load factor of K=0.86 as adopted in the NCSPA CSP Design Manual, 2008.
3. The haunch areas of a pipe-arch are the most critical zone for backfilling. Extra care should be taken to provide good material and compaction to a point above the spring line.
4. E 80 minimum cover is measured from top of pipe to bottom of tie.
5. H 20 and H 25 minimum cover is measured from top of pipe to bottom of flexible pavement or top of rigid pavement.
6. The H 20 and H 25 pipe-arch tables are based on 2 tons per square foot corner bearing pressures.
7. The E 80 pipe-arch tables minimum and maximum covers are based on the corner bearing pressures shown. These values may increase or decrease with changes in allowable corner bearing pressures.
8. 0.052" is 18 gage.
   0.064" is 16 gage.
   0.079" is 14 gage.
   0.109" is 12 gage.
   0.138" is 10 gage.
   0.168" is 8 gage.
9. For construction loads, see Page 15.
10. 1-1/2" x 1/4" corrugation. H20, H25 and E80 loading.
11. SmoothCor has same Height of Cover properties as corrugated steel pipe. The exterior shell of SmoothCor is manufactured in either 2-2/3" x 1/2" or 3" x 1" corrugations; maximum exterior shell gage is 12.
12. Sewer gage (trench conditions) tables for corrugated steel pipe can be found in the AISI book "Modern Sewer Design," 4th Edition, 1999. These tables may reduce the minimum gage due to a higher flexibility factor allowed for a trench condition.

5" x 1" or 3" x 1" Height of Cover Limits for Corrugated Steel Pipe



H 20 and H 25 Live Loads

Diameter or Span, Inches	Minimum Cover Inches	Maximum Cover, Feet[2] Specified Thickness, Inches 0.064	0.079	0.109	0.138	0.168
54	12	56	70	98	127	155
60		50	63	88	114	139
66		46	57	80	103	127
72		42	52	74	95	116
78		39	48	68	87	107
84		36	45	63	81	99
90		33	42	59	76	93
96	12	31	39	55	71	87
102	18	29	37	52	67	82
108			35	49	63	77
114			32	45	58	72
120			30	42	54	66
126				39	50	61
132				36	46	58
138				33	43	53
144	18				39	49

Maximum cover heights shown are for 5" x 1".

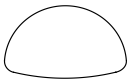
To obtain maximum cover for 3" x 1", increase these values by 12%

E 80 Live Loads

Diameter or Span, Inches	Minimum Cover Inches	Maximum Cover, Feet[2] Specified Thickness, Inches 0.064	0.079	0.109	0.138	0.168
54	18	56	70	98	127	155
60		50	63	88	114	139
66		46	57	80	103	127
72	18	42	52	74	95	116
78	24	39	48	68	87	107
84		36	45	63	81	99
90		33[1]	42	59	76	93
96	24	31[1]	39	55	71	87
102	30	29[1]	37	52	67	82
108			35	49	63	77
114			32[1]	45	58	72
120	30		30[1]	42	54	66
126	36			39	50	61
132				36	46	58
138				33[1]	43	53
144	36				39	49

Maximum cover heights shown are for 5" x 1".
To obtain maximum cover for 3" x 1", increase these values by 12%.
[1] These diameters in these gages require additional minimum cover.

5" x 1" Pipe-Arch Height of Cover Limits for Corrugated Steel Pipe



H 20 and H 25 Live Loads

Size: Equivalent Pipe Diameter	Size: Span x Rise Inches[3]	Minimum Specified Thickness, Inches*	Minimum Cover Inches	Maximum[7] Cover, Feet: 2 Tons/Ft.² Corner Bearing Pressure
72	81 x 59	0.109	18	21
78	87 x 63	0.109	18	20
84	95 x 67	0.109	18	20
90	103 x 71	0.109	18	20
96	112 x 75	0.109	21	20
102	117 x 79	0.109	21	19
108	128 x 83	0.109	24	19
114	137 x 87	0.109	24	19
120	142 x 91	0.138	24	19

Larger sizes are available in some areas of the United States. Check with your local Contech representative . Some minimum heights-of-cover for pipe-arches have been increased to take into account allowable "plus" tolerances on the manufactured rise.

E 80 Live Loads

Size: Equivalent Pipe Diameter	Size: Span x Rise Inches[3]	Minimum Specified Thickness, Inches*	Minimum Cover Inches	Maximum[8] Cover, Feet: 2 Tons/Ft.² Cover Bearing Pressure
72	81 x 59	0.109	30	21
78	87 x 63	0.109	30	18
84	95 x 67	0.109	30	18
90	103 x 71	0.109	36	18
96	112 x 75	0.109	36	18
102	117 x 79	0.109	36	17
108	128 x 83	0.109	42	17
114	137 x 87	0.109	42	17
120	142 x 91	0.138	42	17

* *Some 3" x 1" and 5" x 1" minimum gages shown for pipe-arch are due to manufacturing limitations.*

Heights of Cover Notes:

1. These tables are for lock-seam or welded-seam construction. They are not for riveted construction. Consult your Contech Sales Representative for Height of Cover tables on riveted pipe.
2. These values, where applicable, were calculated using a load factor of K=0.86 as adopted in the NCSPA CSP Design Manual, 2008.
3. The span and rise shown in these tables are nominal. Typically the actual rise that forms is greater than the specified nominal. This actual rise is within the tolerances as allowed by the AASHTO & ASTM specifications. The minimum covers shown are more conservative than required by the AASHTO and ASTM specifications to account for this anticipated increase in rise. Less cover height may be tolerated depending upon actual rise of supplied pipe arch.
4. The haunch areas of a pipe-arch are the most critical zone for backfilling. Extra care should be taken to provide good material and compaction to a point above the spring line.
5. E 80 minimum cover is measured from top of pipe to bottom of tie.
6. H 20 and H 25 minimum cover is measured from top of pipe to bottom of flexible pavement or top of rigid pavement.
7. The H 20 and H 25 pipe-arch tables are based on 2 tons per square foot corner bearing pressures.
8. The E 80 pipe-arch tables minimum and maximum covers are based on the corner bearing pressures shown. These values may increase or decrease with changes in allowable corner bearing pressures.
9. 0.052" is 18 gage.0.064" is 16 gage.
   0.079" is 14 gage.0.109" is 12 gage.
   0.138" is 10 gage.0.168" is 8 gage.
10. For construction loads, see Page 15.
11. SmoothCor has same Height of Cover properties as corrugated steel pipe. The exterior shell of SmoothCor is manufactured in either 2-$^{2}/_{3}$" x $^{1}/_{2}$" or 3"x1" corrugations; maximum exterior shell gage is 12.
12. Sewer gage (trench conditions) tables for corrugated steel pipe can be found in the AISI book "Modern Sewer Design," 4th Edition, 1999. These tables may reduce the minimum gage due to a higher flexibility factor allowed for a trench condition.

3" x 1" Pipe-Arch Height of Cover Limits for Corrugated Steel Pipe-Arch



H 20 and H 25 Live Loads

Size		Minimum		Maximum[7]
Equivalent Pipe Diameter	Span x Rise Inches	Specified Thickness, Inches*	Minimum Cover Inches	Cover, Feet 2 Tons/Ft.² Corner Bearing Pressure
48	53 x 41	0.079	12	25
54	60 x 46	0.079	15	25
60	66 x 51	0.079	15	25
66	73 x 55	0.079	18	24
72	81 x 59	0.079	18	21
78	87 x 63	0.079	18	20
84	95 x 67	0.079	18	20
90	103 x 71	0.079	18	20
96	112 x 75	0.079	21	20
102	117 x 79	0.109	21	19
108	128 x 83	0.109	24	19
114	137 x 87	0.109	24	19
120	142 x 91	0.138	24	19

Larger sizes are available in some areas of the United States. Check with your local Contech Sales Representative.

Some minimum heights-of-cover for pipe-arches have been increased to take into account allowable "plus" tolerances on the manufactured rise.

E 80 Live Loads

Size		Minimum		Maximum[8]
Equivalent Pipe Diameter	Span x Rise Inches	Specified Thickness, Inches*	Minimum Cover Inches	Cover, Feet 2 Tons/Ft.² Corner Bearing Pressure
48	53 x 41	0.079	24	25
54	60 x 46	0.079	24	25
60	66 x 51	0.079	24	25
66	73 x 55	0.079	30	24
72	81 x 59	0.079	30	21
78	87 x 63	0.079	30	18
84	95 x 67	0.079	30	18
90	103 x 71	0.079	36	18
96	112 x 75	0.079	36	18
102	117 x 79	0.109	36	17
108	128 x 83	0.109	42	17
114	137 x 87	0.109	42	17
120	142 x 91	0.138	42	17

* *Some 3" x 1" and 5" x 1" minimum gages shown for pipe-arch are due to manufacturing limitations.*

Heights of Cover Notes:

1. These tables are for lock-seam or welded-seam construction. They are not for riveted construction. Consult your Contech Sales Representative for Height of Cover tables on riveted pipe.
2. These values, where applicable, were calculated using K=0.86 as adopted in the NCSPA CSP Design Manual, 2008.
3. The span and rise shown in these tables are nominal. Typically the actual rise that forms is greater than the specified nominal. This actual rise is within the tolerances as allowed by the AASHTO & ASTM specifications. The minimum covers shown are more conservative than required by the AASHTO and ASTM specifications to account for this anticipated increase in rise. Less cover height may be tolerated depending upon actual rise of supplied pipe arch.
4. The haunch areas of a pipe-arch are the most critical zone for backfilling. Extra care should be taken to provide good material and compaction to a point above the spring line.
5. E 80 minimum cover is measured from top of pipe to bottom of tie.
6. H 20 and H 25 minimum cover is measured from top of pipe to bottom of flexible pavement or top of rigid pavement.
7. The H 20 and H 25 pipe-arch tables are based on 2 tons per square foot corner bearing pressures.
8. The E 80 pipe-arch tables minimum and maximum covers are based on the corner bearing pressures shown. These values may increase or decrease with changes in allowable corner bearing pressures.
9. 0.052" is 18 gage.
   0.064" is 16 gage.
   0.079" is 14 gage.
   0.109" is 12 gage.
   0.138" is 10 gage.
   0.168" is 8 gage.
10. For construction loads, see Page 15.
11. SmoothCor has same Height of Cover properties as corrugated steel pipe. The exterior shell of SmoothCor is manufactured in either 2-$^{2}/_{3}$" x $^{1}/_{2}$" or 3" x 1" corrugations; maximum exterior shell gage is 15.
12. Sewer gage (trench conditions) tables for corrugated steel pipe can be found in the AISI book "Modern Sewer Design," 4th Edition, 1999. These tables may reduce the minimum gage due to a higher flexibility factor allowed for a trench condition.



Approximate Weight (Pounds/Foot) Contech Corrugated Steel Pipe

(Estimated Average Weights—Not for Specification Use)

1-1/2″ x 1/4″ Corrugation			
Inside Diameter, in.	**Specified Thickness, in.**	**Galvanized & ALUMINIZED**	**Full Coated**
6	0.052	4	5
	0.064	5	6
8	0.052	5	6
	0.064	6	7
10	0.052	6	7
	0.064	7	8

Steel Thicknesses by Gage						
Gage	18	16	14	12	10	8
Thickness	.052	.064	.079	.109	.138	.168

2-2/3″ x 1/2″ Corrugation					
Inside Diameter, in.	Specified Thickness	Galvanized & ALUMINIZED	Full Coated	Coated & PAVED-INVERT	SmoothCor
12	0.052	8	10	13	
	0.064	10	12	15	
	0.079	12	14	17	
15	0.052	10	13	16	
	0.064	12	15	18	
	0.079	15	18	21	
18	0.052	12	16	19	
	0.064	15	19	22	25
	0.079	18	22	25	28
21	0.052	14	18	23	
	0.064	17	21	26	29
	0.079	21	25	30	33
	0.109	29	33	33	41
24	0.052	15	20	26	
	0.064	19	24	30	30
	0.079	24	29	35	38
	0.109	33	38	44	47
30	0.064	24	30	36	42
	0.079	30	36	42	48
	0.109	41	47	53	59
36	0.064	29	36	44	51
	0.079	36	43	51	58
	0.109	49	56	64	71
	0.138	62	69	77	
42	0.064	34	42	51	60
	0.079	42	50	59	68
	0.109	57	65	74	82
	0.138	72	80	89	
	0.168	88	96	105	
48	0.064	38	48	57	67
	0.079	48	58	67	77
	0.109	65	75	84	94
	0.138	82	92	101	
	0.168	100	110	119	
54	0.079	54	65	76	87
	0.109	73	84	95	106
	0.138	92	103	114	
	0.168	112	123	134	
60	0.109	81	92	106	117
	0.138	103	114	128	
	0.168	124	135	149	
66	0.109	89	101	117	129
	0.138	113	125	141	
	0.168	137	149	165	
72	0.138	123	137	154	(2)
	0.168	149	163	180	
78	0.168	161	177	194	(2)
84	0.168	173	190	208	(2)

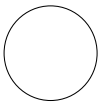
3″ x 1″ or 5″ x 1″ Corrugation					
Inside Diameter, in.	Specified Thickness	Galvanized & ALUMINIZED	Full Coated	Coated & PAVED-INVERT	SmoothCor
54	0.064	50	66	84	84
	0.079	61	77	95	95
	0.109	83	100	118	118
	0.138	106	123	140	
	0.168	129	146	163	
60	0.064	55	73	93	93
	0.079	67	86	105	105
	0.109	92	110	130	130
	0.138	118	136	156	
	0.168	143	161	181	
66	0.064	60	80	102	102
	0.079	74	94	116	116
	0.109	101	121	143	145
	0.138	129	149	171	
	0.168	157	177	199	
72	0.064	66	88	111	112
	0.079	81	102	126	127
	0.109	110	132	156	157
	0.138	140	162	186	
	0.168	171	193	217	
78	0.064	71	95	121	120
	0.079	87	111	137	136
	0.109	119	143	169	168
	0.138	152	176	202	
	0.168	185	209	235	
84	0.064	77	102	130	130
	0.079	94	119	147	147
	0.109	128	154	182	181
	0.138	164	189	217	
	0.168	199	224	253	
90	0.064	82	109	140	139
	0.079	100	127	158	157
	0.109	137	164	195	194
	0.138	175	202	233	
	0.168	213	240	271	
96	0.064	87	116	149	148
	0.079	107	136	169	168
	0.109	147	176	209	208
	0.138	188	217	250	
	0.168	228	257	290	
102	0.064	93	124	158	158
	0.079	114	145	179	179
	0.109	155	186	220	222
	0.138	198	229	263	
	0.168	241	272	306	
108	0.079	120	153	188	189
	0.109	165	198	233	235
	0.138	211	244	279	
	0.168	256	289	324	
114	0.079	127	162	199	200
	0.109	174	209	246	248
	0.138	222	257	294	
	0.168	271	306	343	
120	0.079	134	171	210	211
	0.109	183	220	259	260
	0.138	234	271	310	
	0.168	284	321	360	
126	0.109	195	233	274	276
	0.138	247	285	326	
	0.168	299	338	378	
132	0.109	204	244	287	289
	0.138	259	299	342	
	0.168	314	354	397	
138	0.109	213	255	300	300
	0.138	270	312	357	
	0.168	328	370	415	
144	0.138	282	326	373	
	0.168	344	388	435	(2)

1. *Weights for polymer coated pipe are 1% to 4% higher, varying by gage.*
2. *Please contact your Contech Sales Representative.*
3. *Weights listed in the 3″ x 1″ or 5″ x 1″ table are for 3″ x 1″ pipe. Weights for 5″ x 1″ are approximately 12% less than those used in this table, for metallic coated pipe.*

Corrugated Aluminum Pipe

Heights of Cover

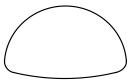
2-2/3″ X 1/2″ Height of Cover Limits for Corrugated Aluminum Pipe



HL 93 Live Load

Diameter or Span (In.)	Minimum Cover (In.)	Maximum Cover, (Ft.)[2] Equiv. Standard Gage 18	16	14	12	10	8[5]
6 [4]	12	197	247				
8 [4]		147	185				
10 [4]		119	148				
12			125	157			
15			100	125			
18			83	104			
21			71	89			
24			62	78	109		
27				69	97		
30				62	87		
36				51	73	94	
42					62	80	
48	12				54	70	85
54	15				48	62	76
60	15					52	64
66	18						52
72	18						43

2 2/3" x 1/2" Height of Cover Limits for Corrugated Aluminum Pipe-Arch



HL 93 Live Load

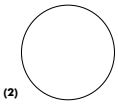
Round Pipe Dia. (Inches)	Size, (In.) Span x Rise	Minimum Gage	Minimum[3] Cover (Inches)	Maximum Cover, (Ft.) Aluminum Pipe-Arch[2] 2 Tons/Ft.² for Corner Bearing Pressures
15	17x13	16	12	13
18	21x15	16	12	12
21	24x18	16	12	12
24	28x20	14	12	12
30	35x24	14	12	12
36	42x29	12	12	12
42	49x33	12	15	12
48	57x38	10	15	12
54	64x43	10	18	12
60	71x47	8[5]	18	12

Notes:

1. *Height-of-cover is measured to top of rigid pavement or to bottom of flexible pavement.*
2. *Maximum cover meets AASHTO LRFD design criteria.*
3. *Minimum cover meets AASHTO and ASTM B 790 design criteria.*
4. *1 1/2″ x 1/4″ corrugation.*
5. *8-gage pipe has limited availability.*
6. *For construction loads, see page 15.*

Heights of Cover

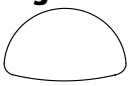
3″ x 1″ Height of Cover Limits for Corrugated Aluminum Pipe



HL 93 Live Load

Diameter or Span (In.)	Minimum[3] Cover (In.)	Maximum Cover, (Ft.) [2] Equiv. Standard Gage 16	14	12	10	8[6]
30	12	57	72	101	135	159
36		47	60	84	112	132
42		40	51	72	96	113
48	12	35	44	62	84	99
54	15	31	39	55	74	88
60	15	28	35	50	67	79
66	18	25	32	45	61	72
72	18	23	29	41	56	66
78	21		27	38	51	61
84	21			35	48	56
90	24			33	44	52
96	24			31	41	49
102	24				39	46
108	24				37	43
114	24					39
120	24					36

3″ x 1″ Height of Cover Limits for Corrugated Aluminum Pipe-Arch



HL 93 Live Load

Round Pipe Dia. (Inches)	Size, (In.) Span x Rise	Minimum Gage	Minimum[3] Cover (Inches)	Maximum Cover, (Ft.) Aluminum Pipe-Arch[2] 2 Tons/Ft.² for Corner Bearing Pressures
54	60x46	14	15	20
60	66x51	14	18	20
66	73x55	14	21	20
72	81x59	12	21	16
78[4]	87x63	12	24	16
84[4]	95x67	12	24	16
90[4]	103x71	10	24	16
96[4]	112x75	8[5]	24	16

Notes:

1. *Height-of-cover is measured to top of rigid pavement or to bottom of flexible pavement.*
2. *Maximum cover meets AASHTO LRFD design criteria.*
3. *Minimum cover meets ASTM B 790 design criteria.*
4. *Limited availability on these sizes.*
5. *8-gage pipe has limited availability.*
6. *For construction loads, see page 15.*

Approximate Weight/Foot
Contech Corrugated Aluminum Pipe

(Estimated Average Weights—Not for Specification Use)

2 2/3″ x 1/2″ Corrugation Aluminum Pipe

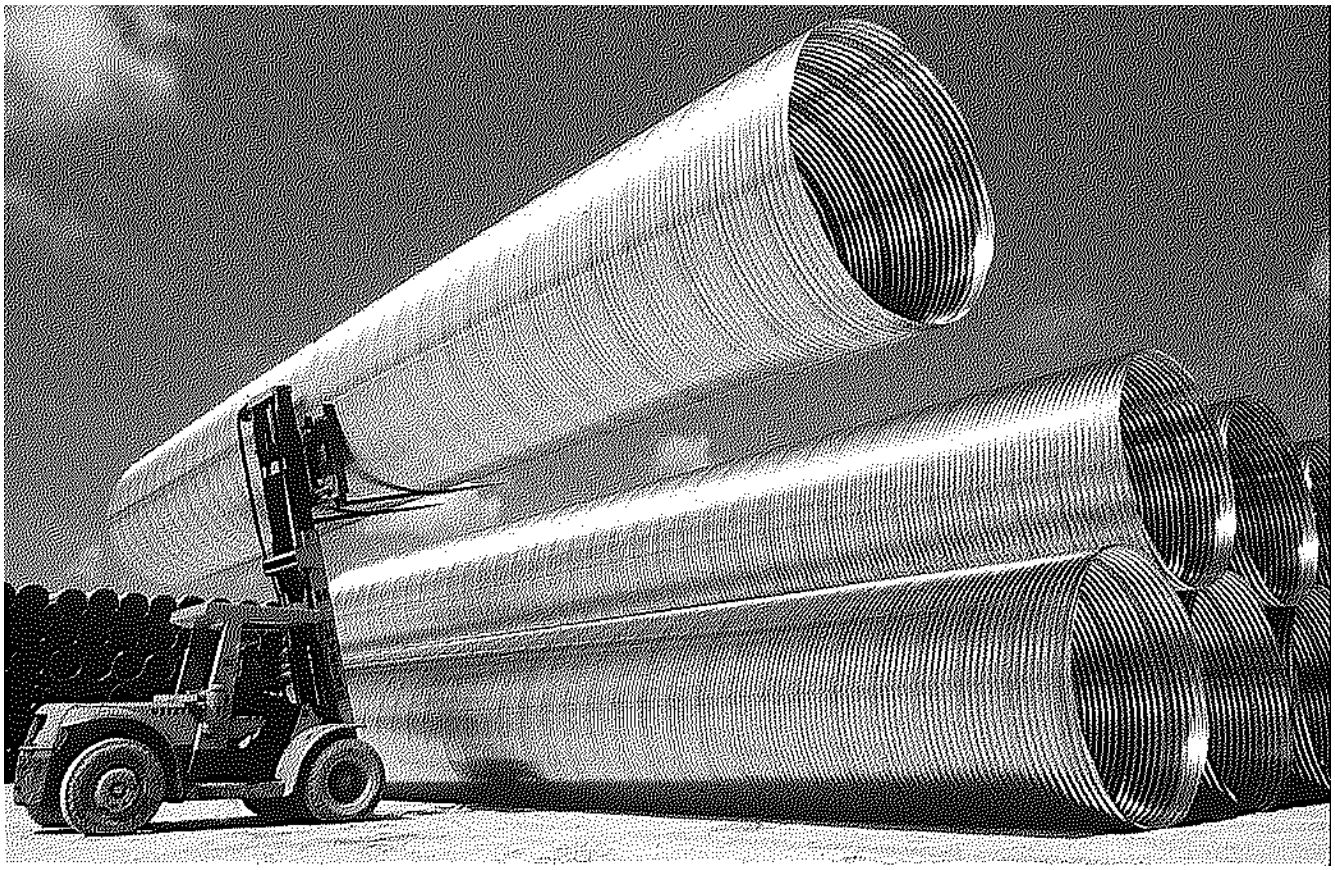
Diameter or Span (Inches)	Weight (Lb./Lineal Ft.) Equiv. Standard Gage					
	(.048) 18	(.060) 16	(.075) 14	(.105) 12	(.135) 10	(.164) 8[3]
6 [2]	1.3	1.6				
8 [2]	1.7	2.1				
10 [2]	2.1	2.6				
12		3.2	4.0			
15		4.0	4.9			
18		4.8	5.9			
21		5.6	6.9			
24		6.3	7.9	10.8		
27			8.8	12.2		
30			9.8	13.5		
36			11.8	16.3	20.7	
42				19.0	24.2	
48				21.7	27.6	33.5
54				24.4	31.1	37.7
60					34.6	41.9
66						46.0
72						50.1

3″ x 1″ Corrugation Aluminum Pipe

Diameter or Span (Inches)	Weight (Lb./Lineal Ft.) Equiv. Standard Gage				
	(.060) 16	(.075) 14	(.105) 12	(.135) 10	(.164) 8[3]
30	9.3	11.5	15.8	20.2	
36	11.1	13.7	18.9	24.1	
42	12.9	16.0	22.0	28.0	
48	14.7	18.2	25.1	32.0	38.8
54	16.5	20.5	28.2	35.9	43.6
60	18.3	22.7	31.3	40.0	48.3
66	20.2	24.9	34.3	43.7	53.0
72	22.0	27.1	37.4	47.6	57.8
78		29.3	40.4	51.5	62.5
84			43.5	55.4	67.2
90			46.6	59.3	71.9
96			49.6	63.2	76.7
102				66.6	80.8
108				71.0	86.1
114					90.9
120					95.6

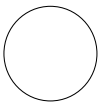
Notes:

1. *Helical lockseam pipe only. Annular riveted pipe weights will be higher.*
2. *1 ½″ x ¼″ Corrugation.*
3. *8-gage pipe has limited availability.*



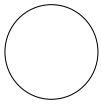
ULTRA FLO®

Heights of Cover



Galvanized, ALUMINIZED STEEL Type 2 or Polymer Coated Steel** ULTRA FLO H 20 and H 25 Live Load

Diameter (Inches)	Minimum/Maximum Cover (Feet) Specified Thickness and Gage (0.064) 16	(0.079) 14	(0.109) 12	(0.138) 10
18	1.0/108	1.0/151		
21	1.0/93	1.0/130	1.0/216	
24	1.0/81	1.0/113	1.0/189	
30	1.0/65	1.0/91	1.0/151	
36	1.0/54	1.0/75	1.0/126	
42	1.0/46	1.0/65	1.0/108	
48	1.0/40	1.0/56	1.0/94	1.0/137
54	1.25/36	1.25/50	1.0/84	1.0/122
60	1.25*/32*	1.25/45	1.0/75	1.0/109
66		1.5/41	1.25/68	1.25/99
72		1.5*/37*	1.25/63	1.25/91
78		1.75*/34*	1.5/58	1.5/84
84			1.75/54	1.75/78
90			2.0*/50*	2.0/73
96			2.0*/47*	2.0/68
102			2.5*/43*	2.5/61
108				2.5*/54*
114				2.5*/49*
120				2.5*/43*

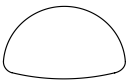


Galvanized, ALUMINIZED STEEL Type 2 or **Polymer Coated** Steel** ULTRA FLO E 80 Live Load

Diameter (Inches)	(0.064) 16	(0.079) 14	(0.109) 12	(0.138) 10
18	1.0 / 93	1.0 / 130		
21	1.0 / 79	1.0 / 111	1.0 / 186	
24	1.0 / 69	1.0 / 97	1.0 / 162	
30	1.0 / 55	1.0 / 78	1.0 / 130	
36	1.5 / 46	1.25 / 65	1.0 / 108	
42	1.5 / 39	1.5 / 55	1.25 / 93	
48	2.0 / 34	1.75 / 48	1.5 / 81	1.5 / 118
54	3.0* / 28*	2.0 / 43	1.5 / 72	1.5 / 104
60		2.0 / 39	1.75 / 65	1.75 / 94
66		2.5* / 35*	2.0 / 58	2.0 / 85
72			2.0 / 49	2.0 / 78
78			2.5 / 42	2.5 / 72
84			2.75* / 35*	2.5 / 67
90				2.5 / 62
96				2.5* / 58*
102				3.0* / 52*

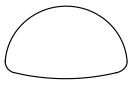
Notes:

1. The tables for Steel H 20 and H 25 loading are based on the NCSPA CSP Design Manual, 2008 and were calculated using a load factor of K=0.86. The tables for Steel E 80 loading are based on the AREMA Manual. The tables for Aluminum HL 93 loading are based on AAS-HTO LRFD Design Criteria.
2. The haunch areas of a pipe-arch are the most critical zone for backfilling. Extra care should be taken to provide good material and compaction to a point above the spring line.
3. E 80 minimum cover is measured from top of pipe to bottom of tie.
4. H 20, H 25 and HL 93 minimum cover is measured from top of pipe to bottom of flexible pavement or top of rigid pavement.
5. The H 20, H 25 and HL 93 pipe-arch tables are based on 2 tons per square foot corner bearing pressures.
6. The E 80 pipe-arch tables minimum and maximum covers are based on 3 tons per square foot corner bearing pressures shown.
7. Larger size pipe-arches may be available on special order.
8. M.L. (Heavier gage is required to prevent crimping at the haunches.)
9. For construction loads, see Page 15.
10. Sewer gage (trench conditions) tables for corrugated steel pipe can be found in the AISI book "Modern Sewer Design," 4th Edition, 1999. These tables may reduce the minimum gage due to a higher flexibility factor allowed for a trench condition.



Galvanized, ALUMINIZED STEEL Type 2 or **Polymer Coated** Steel** ULTRA FLO Pipe-Arch H 20 and H 25 Live Load

Equiv. Pipe Dia. (Inches)	Span (Inches)	Rise (Inches)	Minimum/Maximum Cover (Feet) Specified Thickness and Gage (0.064) 16	(0.079) 14	(0.109) 12
18	20	16	1.0/16		
21	23	19	1.0/15		
24	27	21	1.0/13		
30	33	26	1.0/13	1.0/13	
36	40	31	1.0/13	1.0/13	
42	46	36	M.L.[8]	M.L.[8]	1.0/13
48	53	41	M.L.[8]	M.L.[8]	1.25/13
54	60	46	M.L.[8]	M.L.[8]	1.25/13
60	66	51	M.L.[8]	M.L.[8]	1.25/13



Galvanized, ALUMINIZED STEEL Type 2 or **Polymer Coated** Steel** ULTRA FLO Pipe-Arch E 80 Live Load

Span x Rise (Inches)	Round Equivalent	Minimum Cover (Inches)	Minimum Gage	Max Cover (Feet)
20x16	18	24	16	22
23x19	21	24	16	21
27x21	24	24	16	18
33x26	30	24	16	18
40x31	36	24	16	17
46x36	42	24	12	18
53x41	48	24	12	18
60x46	54	24	12	18
66x51	60	24	12	18



ULTRA FLO can be manufactured from polymer coated steel for added durability.

11. All heights of cover are based on trench conditions. If embankment conditions exist, there may be restriction on gages for the large diameters. Your Contech Sales Representative can provide further guidance for a project in embankment conditions.
12. All steel ULTRA FLO is installed in accordance with ASTM A798 "Installing Factory-Made Corrugated Steel Pipe for Sewers and Other Applications."

* *These sizes and gage combinations are installed in accordance with ASTM A796 paragraphs 18.2.3 and ASTM A798. For aluminum ULTRA FLO refer to ASTM B790 and B788.*

** *Contact your local Contech representative for more specific information on Polymer Coated ULTRA FLO for gages 12 and 10.*

Heights of Cover

Aluminum ULTRA FLO HL 93 Live Load

Diameter (Inches)	Minimum/Maximum Cover (Feet) Specified Thickness and Gage (0.060) 16	(0.075) 14	(0.105) 12	(0.135) 10
18	1.0/43	1.0/61		
21	1.0/38	1.0/52	1.0/84	
24	1.0/33	1.0/45	1.0/73	
30	1.0/26	1.25/36	1.25/58	
36	1.5*/21*	1.50/30	1.5/49	1.5/69
42		1.75*/25*	1.75/41	1.75/59
48			2.0/36	2.0/51
54			2.0/32	2.0/46
60			2.0*/29*	2.0/41
66				2.0/37
72				2.5*/34*

See previous page for height of cover notes.

Aluminum ULTRA FLO Pipe-Arch HL 93 Live Load

Equiv. Pipe Dia. (Inches)	Span (Inches)	Rise (Inches)	Minimum/Maximum Cover (Feet) Specified Thickness and Gage (0.060) 16	(0.075) 14	(0.105) 12	(0.135) 10
18	20	16	1.0/16			
21	23	19	1.0/15			
24	27	21	1.25/13	1.25/13		
30	33	26	1.5/13	1.5/13	1.5/13	
36	40	31		1.75/13	1.75/13	
42	46	36			2.0/13	2.0/13
48	53	41			2.0/13	2.0/13
54	60	46			2.0*/13*	2.0/13
60	66	51				2.0/13

Approximate Weight/Foot Contech ULTRA FLO Pipe

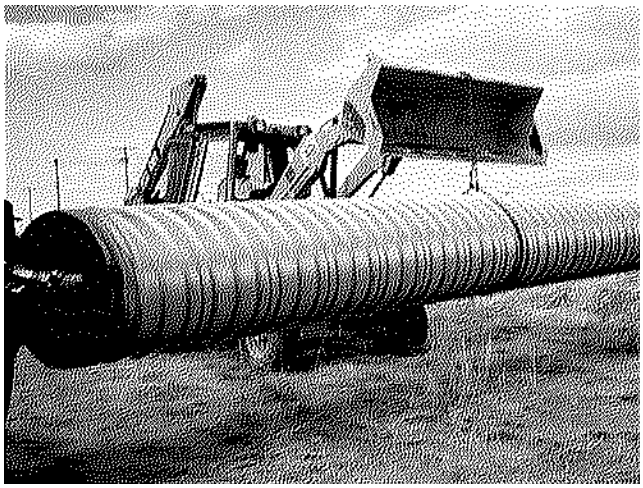
Handling Weight for **ALUMINIZED STEEL Type 2** or **Galvanized Steel** ULTRA FLO

Diameter (Inches)	Weight (Pounds/Lineal Foot) Specified Thickness and Gage (0.064) 16	(0.079) 14	(0.109) 12	(0.138) 10
18	15	18		
21	17	21	29	
24	19	24	36	
30	24	30	42	
36	29	36	50	
42	33	42	58	
48	38	48	66	80
54	45	54	75	90
60	48	60	83	99
66		66	91	109
72		72	99	119
78		78	108	129
84			116	139
90			124	149
96			132	158
102			141	168
108				175
114				196
120				206

Weights for polymer coated pipe are 1% to 4% higher, varying by gage.

Handling Weight for **ALUMINUM** ULTRA FLO

Diameter (Inches)	Weight (Pounds/Lineal Foot) Specified Thickness and Gage (0.060) 16	(0.075) 14	(0.105) 12	(0.135) 10
18	5	6		
21	6	8	11	
24	7	9	13	
30	9	11	15	
36	11	13	18	23
42	12	15	21	26
48		17	24	30
54		19	27	34
60			30	37
66			33	41
72			36	45
78				49
84				52



ULTRA FLO is available in long lengths. And, its light weight allows it to be unloaded and handled with small equipment.



Reduced excavation because of ULTRA FLO's smaller outside diameter.

Installation Corrugated Metal Pipe

Overview
Satisfactory site preparation, trench excavation, bedding and backfill operations are essential to develop the strength of any flexible conduit. In order to obtain proper strength while preventing settlement, it is necessary that the soil envelope around the pipe be of good granular material, properly placed and carefully compacted.

Bedding
Bedding preparation is critical to both pipe performance and service life. The bed should be constructed to uniform line and grade to avoid distortions that may create undesirable stresses in the pipe and/or rapid deterioration of the roadway. The bed should be free of rock formations, protruding stones, frozen lumps, roots and other foreign matter that may cause unequal settlement.

Placing the pipe
Corrugated metal pipe weighs much less than other commonly used drainage structures. This is due to the efficient strength of the metal, further improved with carefully designed and formed corrugations. Even the heaviest sections of Contech pipe can be handled with relatively light equipment compared with equipment required for much heavier reinforced concrete pipe.

Backfill
Satisfactory backfill material, proper placement and compaction are key factors in obtaining maximum strength and stability. Backfill should be a well-graded granular material and should be free of large stones, frozen lumps and other debris.

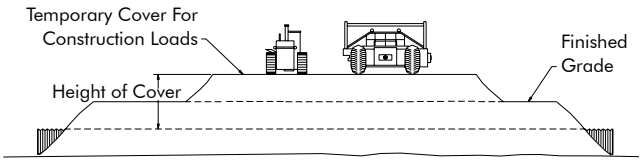
Backfill materials should be placed in layers about six inches deep, deposited alternately on opposite sides of the pipe. Each layer should be compacted carefully. Select backfill is placed and compacted until minimum cover height is reached, at which point, standard road embankment backfill procedures are used.

Installation References
For more information, see AASHTO Bridge Construction Specification Section 26, the Installation Manual of the National Corrugated Steel Pipe Association, ASTM A798 for steel and ASTM B788 for aluminum ULTRA FLO.

Additional Considerations for ULTRA FLO Installations
Bedding and Backfill
Typical ULTRA FLO installation requirements are the same as for any other corrugated metal pipe installed in a trench. Bedding and backfill materials for ULTRA FLO follow the requirements of the CMP installation specifications mentioned above, and must be free from stones, frozen lumps or other debris. When ASTM A796 (steel) or B790 (aluminum) designs are to be followed for condition III requirements, indicated by asterisk (*) in the tables on page 13 and 14, use clean, easily compacted granular backfill materials.

Embankment Conditions
ULTRA FLO is a superior CMP storm sewer product that is normally installed in a trench condition. In those unusual embankment installation conditions, pipe sizes and gages may be restricted. Your Contech Sales Representative can provide you with further guidance.

Construction Loads
For temporary construction vehicle loads, an extra amount of compacted cover may be required over the top of the pipe. The Height of Cover shall meet minimum requirements shown in the table below. The use of heavy construction equipment necessitates greater protection for the pipe than finished grade cover minimums for normal highway traffic.



Min. Height of Cover Requirements for Construction Loads On Corrugated Steel Pipe*

Diameter/ Span, (Inches)	Minimum Cover (feet) for Indicated Axle Loads (kips)			
	18-50	50-75	75-110	110-150
12-42	2.0	2.5	3.0	3.0
48-72	3.0	3.0	3.5	4.0
78-120	3.0	3.5	4.0	4.0
126-144	3.5	4.0	4.5	4.5

Min. Height of Cover Requirements for Construction Loads On Corrugated Aluminum Pipe*

Diameter/ Span (Inches)	Axle Load (Kips)			
	18-50	50-75	75-110	110-150
12-42	3.0′	3.5′	4.0′	4.0′
48-72	4.0′	4.0′	5.0′	5.5′
78-120	4.0′	5.0′	5.5′	5.5′

Min. Height of Cover Requirements for Construction Loads On ULTRA FLO Pipe*

Diameter/ Span (Inches)	Axle Load (Kips)			
	18-50	50-75	75-110	110-150
	Steel 3/4″ x 3/4″ x 7-1/2″			
15-42	2.0'	2.5'	3.0'	3.0'
48-72	3.0'	3.0'	3.5'	4.0'
78-108	3.0'	3.5'	4.0'	4.5'
	Aluminum 3/4″ x 3/4″ x 7-1/2″			
15-42	3.0'	3.5'	4.0'	4.0'

* Minimum cover may vary depending on local conditions. The contractor must provide the additional cover required to avoid damage to the pipe. Minimum cover is measured from the top of the pipe to the top of the maintained construction roadway surface.

SmoothCor™ Pipe

Excellent Hydraulics, Long Lengths and Easy Installation

Corrugated Steel Shell

SmoothCor pipe has a smooth interior steel liner that provides a Manning's "n" of 0.012. Its rugged, corrugated steel shell supplies the structural strength to outperform rigid pipe. SmoothCor pipe is both the economical and performance alternate to concrete.

Superior hydraulics

SmoothCor, with its smooth interior surface, is hydraulically superior to conventional corrugated steel pipe and with fewer joints and better interior surface, outperforms reinforced concrete pipe.

SmoothCor, with its long lengths, light weight and beam strength, is superior to concrete pipe in many difficult situations such as poor soils, poor subsurface drainage conditions, steep slopes and high fills. SmoothCor should be specified as an alternate under normal site conditions, and specified exclusively under very difficult situations that demand the strength of CSP with positive joints and a hydraulically efficient smooth liner.

Two Pipe Shapes

In addition to full-round pipe, SmoothCor comes in a pipe-arch shape for limited headroom conditions. The low, wide pipe-arch design distributes the flow area horizontally, enabling it to be installed with lower head room than a round pipe.

Reference specifications

Material	Polymer Coated	ASTM A 929 AASHTO M246 ASTM A 742
Pipe	Polymer	AASHTO M245 ASTM A 762 & A 760
Design	Steel Pipe	AASHTO Section 12 ASTM A 796
Installation	Steel Pipe	AASHTO Section 26 ASTM A 798

Structural Design

SmoothCor is lined with either 18 or 20 gage steel. Contech has taken a conservative approach to the Height of Cover. The maximum heights-of-cover are based on the shell thickness with no additional structural allowance for the liner as provided for in the AASHTO and ASTM design specifications. Using this approach, the Height of Cover tables for 2 2/3" x 1/2" and 3"x1" steel corrugations can be used for SmoothCor.

Diameters

SmoothCor is available in diameters ranging from 18 inches to 66 inches in 2 2/3" x 1/2" corrugation. The 3" x 1" corrugation is available in diameters of 48 inches to 126 inches.

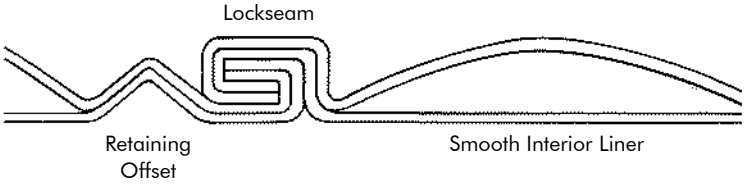
Pipe-arch sizes range from 21" x 15" through 77" x 52" for 2 2/3" x 1/2" corrugations, and 53" x 41" through 137" x 87" for 3"x1" corrugations.

Materials

SmoothCor is available with Dow's TRENCHCOAT® that allows the engineer to design for long service life. TRENCHCOAT is a tough, heavy-gage polymer film laminated to both sides of the steel coil, providing a barrier to corrosion and mild abrasion. TRENCHCOAT is particularly effective for protection in corrosive soils.

Fittings

SmoothCor can be fabricated into any type of structure including tees, elbows, laterals, catch basins, manifolds and reducers. Pre-fabricated fittings are more economical and have superior hydraulic characteristics when compared to concrete structures.





QUICK STAB® Joint

Save Time and Money With Faster Pipe Bell and Spigot Coupling

The Contech QUICK STAB Bell and Spigot joint speeds installation of corrugated metal pipe (CMP), reducing your costs. With the QUICK STAB coupling system, installation of CMP storm sewers and culverts has never been easier or faster.

The QUICK STAB joint creates a bell and spigot joining system with the bell only 1-1/2" larger than the pipe's O.D. Assembled at the factory, the QUICK STAB bell is shipped to the job site ready for installation. The only field operation is placing a special fluted gasket onto the spigot end of the pipe, applying lubricant and pushing it into the bell end of the preceding pipe. Without bands, bolts and wrenches to work and worry with, you can join pipe segments 50% to 90% faster—saving time, money and aggravation.

Soil Tight Joint

Contech's QUICK STAB joint provides the same soil tightness as conventional CMP bands. Each QUICK STAB joint uses a double sealing fluted gasket to seal the spigot against the bell. A flat gasket is installed at the plant between the pipe and the corrugated end of the bell. With the deep bell, you gain maximum soil tightness with minimal installation effort.

Wide Variety of Coatings and Materials

- Plain galvanized
- Aluminized Steel Type 2
- Aluminum
- Polymeric coated

Four Times Faster Installation Than Concrete

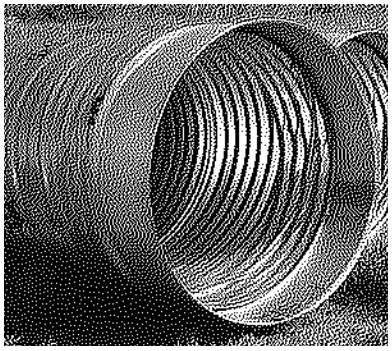
The QUICK STAB's bell and spigot joining system allows pipe segments to be joined quicker than reinforced concrete pipe. Next, add in Contech's corrugated metal pipe's length advantage—each segment is four times longer than standard concrete pipe lengths. That means fewer joints and faster installation—up to four times faster! Plus, with the bell only 1-1/2" larger than the pipe, trench excavation is considerably less compared with concrete—again, saving time and money.

Field Installation Instructions

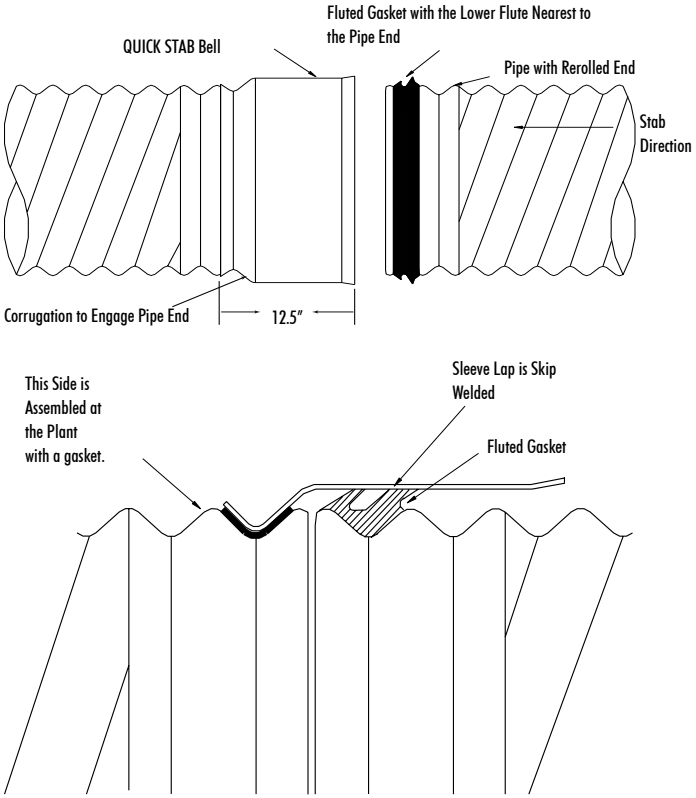
The spigot and bell ends must be cleaned of any dirt or debris prior to assembly. The fluted gasket shall be placed in the first corrugation with the lower flute nearest the end of the pipe. The bell & gasket shall be thoroughly lubed just before stabbing in the bell. Do not place hands, fingers, or any other body parts between bell and spigot during assembly. If it is necessary to pull the joint apart, the bell, spigot and gasket shall be inspected and cleaned of any dirt or debris prior to re-stabbing.

Corrugated Metal Pipe Bell and Spigot Joint Specification

The joints shall be of such design and the ends of the corrugated metal pipe sections so formed that the pipe can be laid together to make a continuous line of pipe. The joint shall be made from the same material as the pipe and shall prevent infiltration of the fill material.



Bell and Spigot Coupling System for CMP



The Bell and Spigot joint is available on ULTRA FLO and 2-2/3" x 1/2" corrugation in 15" through 60" diameter.

End Sections

Easily installed, easily maintained culvert end treatments for corrugated metal pipe, reinforced concrete pipe and HDPE Pipe

Contech End Sections provide a practical, economical and hydraulically superior method of finishing a variety of culvert materials.

The lightweight, flexible metal construction of Contech End Sections creates an attractive, durable and erosion-preventing treatment for all sizes of culvert inlets and outlets. They can be used with corrugated metal pipe having either annular or helical corrugations, and both reinforced concrete and plastic pipes. End sections can be salvaged when lengthening or relocating the culvert.

Standard End Sections are fabricated from pregalvanized steel. For added corrosion resistance, Aluminized Type II or Aluminum End Sections are available in smaller sizes. Special End Sections for multiple pipe installations may be available on a specific inquiry basis.

Better hydraulics

Flow characteristics are greatly improved by the exacting design of Contech End Sections. Scour and sedimentation conditions are improved, and headwater depth can be better controlled. Culverts aligned with the stream flow and finished with Contech End Sections generally require no additional hydraulic controls.

Improved appearance

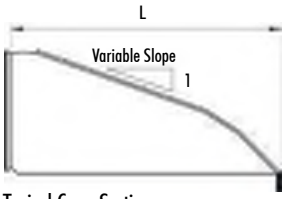
Contech End Sections blend well with the surroundings. The tapered sides of an End Section merge with slope design to improve roadside appearance. Unsightly weeds and debris collection at the culvert end are reduced.

Economical installation

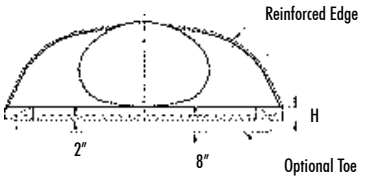
Lightweight equipment and simple crew instructions result in smooth and easy installation. Contech End Sections are easily joined to culvert barrels, forming a continuous, one-piece structure. For easiest installation, End Sections should be installed at the same time as the culvert. Installation is completed by tamping soil around the End Section.

Low maintenance

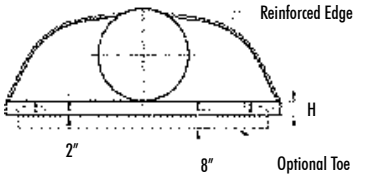
Contech End Sections reduce maintenance expense because their tapered design promotes easier mowing and snow removal. There is no obstruction to hamper weed cutting.



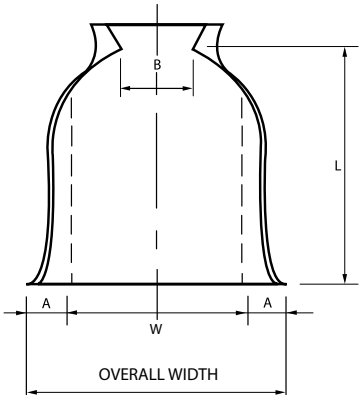
Typical Cross Section



Elevation



Elevation



Plan

Notes for all End Sections:

1. All three-piece bodies to have 12-gage sides and 10-gage center panels. Multiple panel bodies to have lap seams which are to be tightly joined by galvanized rivets or bolts.
2. For 60″ through 84″ sizes, reinforced edges are supplemented with stiffener angles. The angles are attached by galvanized nuts and bolts. For the 66″ and 72″ equivalent round pipe-arch sizes, reinforced edges are supplemented by angles. The angles are attached by galvanized nuts and bolts.
3. Angle reinforcements are placed under the center panel seams on the 66″ and 72″ equivalent round pipe-arch sizes.
4. Toe plate is available as an accessory, when specified on the order, and will be same gage as the End Section.
5. Stiffener angles, angle reinforcement, and toe plates are the same base metal as end section body.
6. **End sections with 6:1 and 4:1 slopes are available in 12″ through 24″ diameters.**
7. Actual dimensions may vary slightly.
8. During manufacturing, a slight invert slope may result along the length of the end section to be accommodated in the field.

End Sections for Round Pipe (2-2/3″ x 1/2″, 3″ x 1″ and 5″ x 1″)

		Approximate Dimensions, Inches [7]					
Pipe Diameter (Inches)	**Gage**	**A (+/- 1") (Inches)**	**B (Max) (Inches)**	**H (Min) (Inches)**	**L (+/-2") (Inches)**	**W (+/- 2") (Inches)**	**Overall Width (+/- 4") (Inches)**
12	16	6	6	6	21	24	36
15	16	7	8	6	26	30	44
18	16	8	10	6	31	36	52
21	16	9	12	6	36	42	60
24	16	10	13	6	41	48	68
30	14	12	16	8	51	60	84
36	14	14	19	9	60	72	100
42	12	16	22	11	69	84	116
48	12	18	27	12	78	90	126
54	12	18	30	12	84	102	138
60	12/10	18	33	12	87	114	150
66	12/10	18	36	12	87	120	156
72	12/10	18	39	12	87	126	162
78	12/10	18	42	12	87	132	168
84	12/10	18	45	12	87	138	174

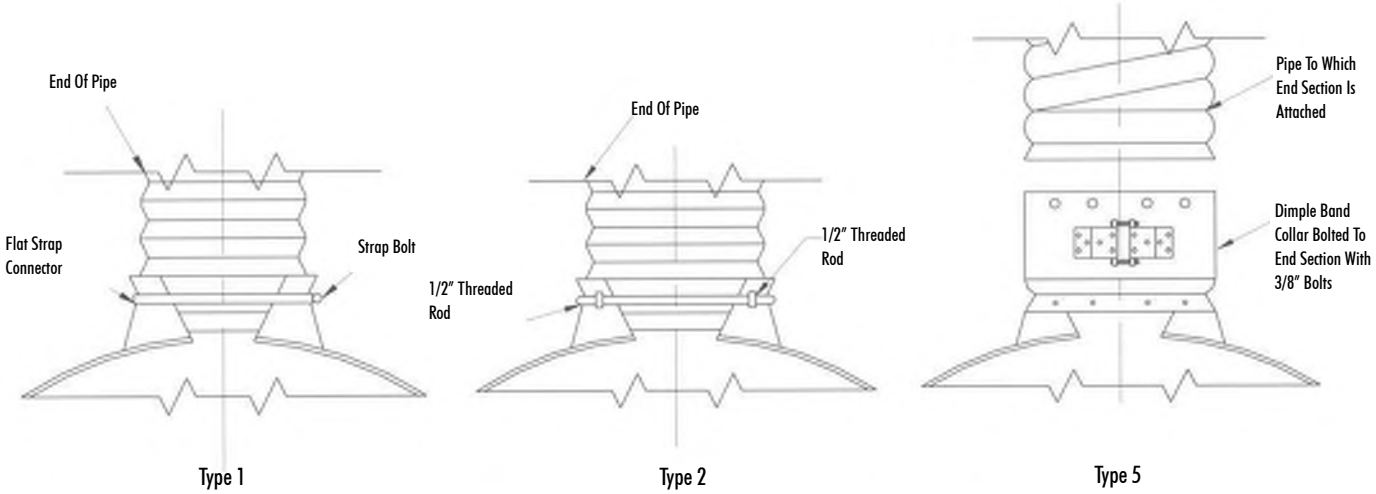
End Sections for Pipe-Arch (2-2/3″ x 1/2″)

			Approximate Dimensions, Inches [7]					
Span/Rise	**Equiv. Round (Inches)**	**Gage**	**A (+/- 1") (Inches)**	**B (Max) (Inches)**	**H (+/- 1") (Inches)**	**L (+/- 2") (Inches)**	**W (+/- 2″) (Inches)**	**Overall Width (+/- 4") (Inches)**
17″x13″	15	16	7	9	6	19	30	44
21″x15″	18	16	7	10	6	23	36	50
24″x18″	21	16	8	12	6	28	42	58
28″x20″	24	16	9	14	6	32	48	66
35″x24″	30	14	10	16	6	39	60	80
42″x29″	36	14	12	18	8	46	75	99
49″x33″	42	12	13	21	9	53	85	111
57″x38″	48	12	18	26	12	63	90	126
64″x43″	54	12	18	30	12	70	102	138
71″x47″	60	12/10	18	33	12	77	114	150
77″x52″	66	12/10	18	36	12	77	126	162
83″x57″	72	12/10	18	39	12	77	138	174

End Sections for Pipe-Arch (3″ x 1″ and 5″ x 1″)

			Approximate Dimensions, Inches [7]					
Span/Rise	**Equiv. Round (Inches)**	**Gage**	**A (+/- 1") (Inches)**	**B (Max) (Inches)**	**H (+/- 1") (Inches)**	**W (+/- 2") (Inches)**	**L (+/- 2") (Inches)**	**Overall Width (+/- 4") (Inches)**
53″x41″	48	12	18	25	12	90	63	126
60″x46″	54	12	18	34	12	102	70	138
66″x51″	60	12/10	18	33	12	116	77	152
73″x55″	66	12/10	18	36	12	126	77	162
81″x59″	72	12/10	18	39	12	138	77	174
87″x63″	78	12/10	20	38	12	148	77	188
95″x67″	84	12/10	20	34	12	162	87	202
103″X71″	90	12/10	20	38	12	174	87	214
112″x75″	96	12/10	20	40	12	174	87	214

Contech End Sections attach to corrugated metal pipe, reinforced concrete and plastic pipe.



Note: *The Type 3 connection is not illustrated. This connection is a one-foot length of pipe attached to the end section.*



End Section on Round CSP



End Sections are available for CSP Pipe-Arch



Contech End Sections are often used on concrete pipe. They can be used on both the bell and spigot end.



Low-slope End Sections—Contech manufactures 4:1 and 6:1 low-slope End Sections for corrugated metal pipe. This photo shows the optional field-attached safety bars.

Contech Engineered Solutions LLC is a leading provider of site solution products and services for the civil engineering industry. Contech's product portfolio includes bridges, drainage, retaining walls, sanitary sewer, stormwater, erosion control, soil stabilization and wastewater products.

For more information, call one of Contech's Regional Offices located in the following cities:

Ohio (Corporate Office) 513-645-7000
Colorado (Denver) 720-587-2700
Florida (Orlando) 321-348-3520
Maine (Scarborough) 207-885-9830
Maryland (Baltimore) 410-740-8490
Oregon (Portland) 503-258-3180
Texas (Dallas) 972-590-2000

Visit our web site: www.ContechES.com
800-338-1122

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CONTECH® ENGINEERED SOLUTIONS

BRO-CMP-DESIGN 8/14 3M PDF

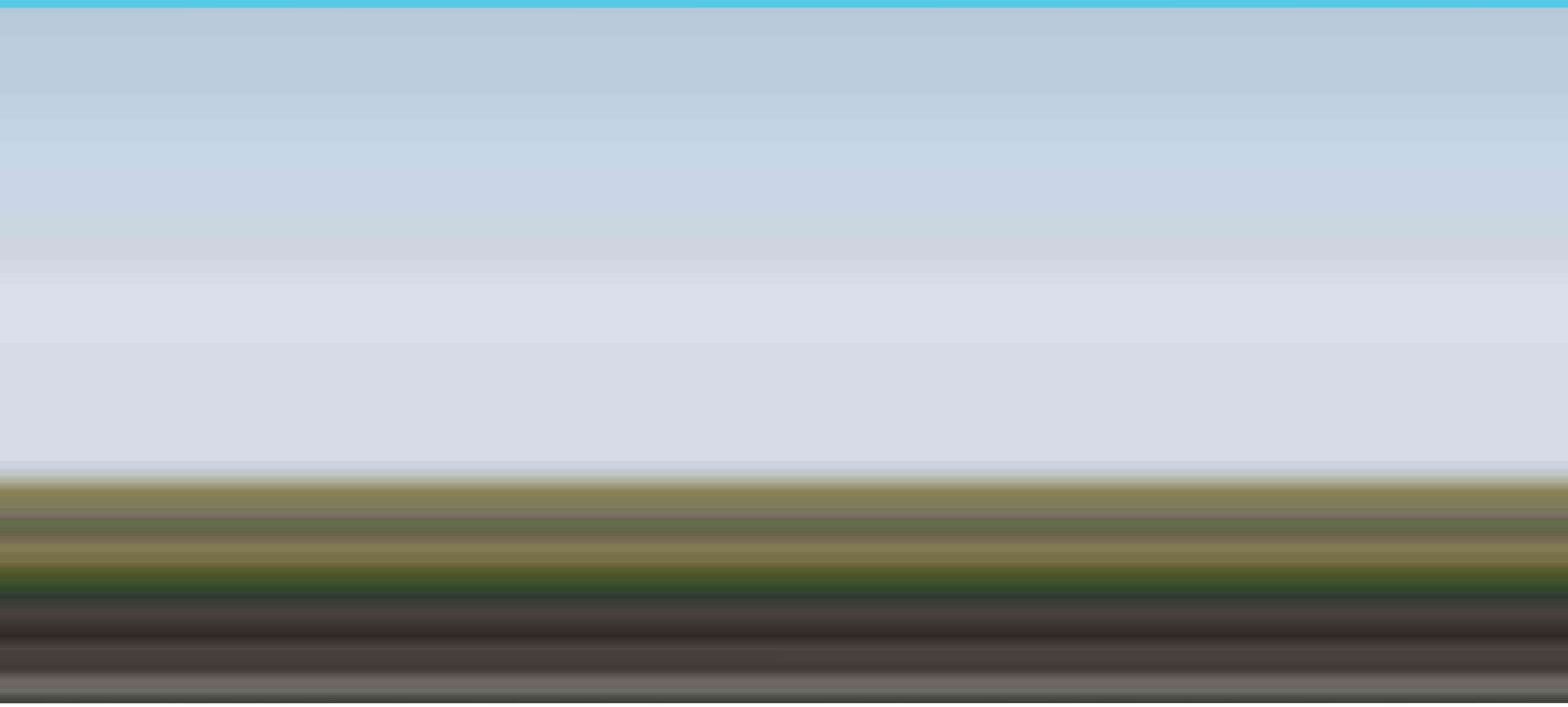
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CONTECH®
ENGINEERED SOLUTIONS

CDS®
Hydrodynamic Separator



The experts you need to solve your stormwater management challenges



Contech is the leader in stormwater management solutions, helping engineers, contractors and owners with infrastructure and land development projects throughout North America.

With our responsive team of stormwater experts, local regulatory expertise and flexible solutions, Contech is the trusted partner you can count on for stormwater management solutions.

Your Contech Team



STORMWATER CONSULTANT

It's my job to recommend the best solution to meet permitting requirements.



STORMWATER DESIGN ENGINEER

I work with consultants to design the best approved solution to meet your project's needs.



REGULATORY MANAGER

I understand the local stormwater regulations and what solutions will be approved.



SALES ENGINEER

I make sure our solutions meet the needs of the contractor during construction.

Contech is your partner in stormwater management solutions



Unique screening technology for stormwater runoff – CDS®

The CDS hydrodynamic separator uses swirl concentration and continuous deflective separation to screen, separate and trap trash, debris, sediment, and hydrocarbons from stormwater runoff.

At the heart of the CDS system is a unique screening technology used to capture and retain trash and debris. The screen face is louvered so that it is smooth in the downstream direction. The effect created is called “Continuous Deflective Separation.” The power of the incoming flow is harnessed to continually shear debris off the screen and to direct trash and sediment toward the center of the separation cylinder. This results in a screen that is self-cleaning and provides 100% removal of floatables and neutrally buoyant material debris 4.7 mm or larger, without blinding.

CDS is used to meet trash Total Maximum Daily Load (TMDL) requirements, for stormwater quality control, inlet and outlet pollution control, and as pretreatment for filtration, detention/infiltration, bioretention, rainwater harvesting systems, and a variety of green infrastructure practices.

CDS® Features and Benefits

FEATURE	BENEFIT
Captures and retains 100% of floatables and neutrally buoyant debris 4.7mm or larger	Superior pollutant removal
Self-cleaning screen	Ease of maintenance
Isolated storage sump eliminates scour potential	Excellent pollutant retention
Internal bypass	Eliminates the need for additional structures
Multiple pipe inlets and 90-180º angles	Design flexibility
Clear access to sump and stored pollutants	Fast, easy maintenance



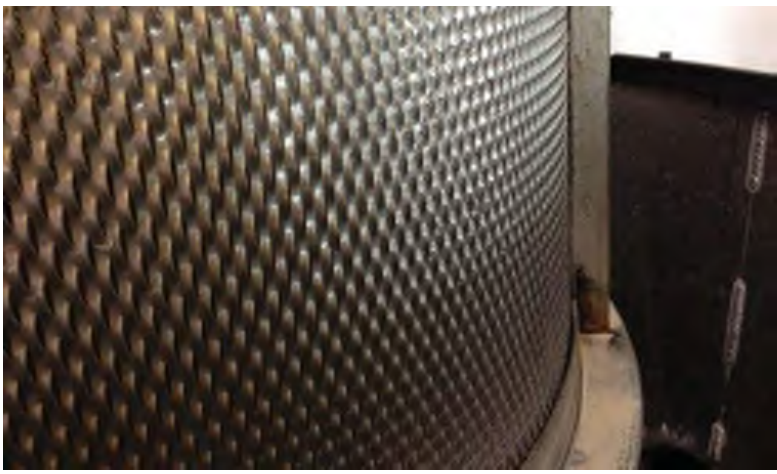
APPLICATION TIPS

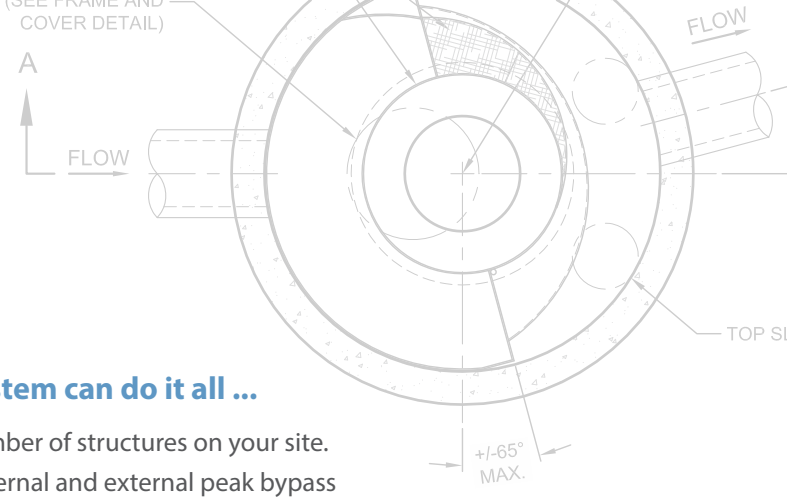
- Because of its internal peak bypass weirs, CDS systems can provide cost savings by eliminating the need for additional structures.
- Pretreating detention, infiltration, and green infrastructure practices with CDS can protect downstream structures and provide for easy maintenance.
- The CDS an ideal solution for retrofit applications due to its compact footprint and configuration flexibility.

The CDS® Screen

A fundamentally different approach to trash control ...

Traditional approaches to trash control typically involve "direct screening" that can easily become clogged, as trash is pinned to the screen as water passes through. Clogged screens can lead to flooding as water backs up. The design of the CDS screen is fundamentally different. Flow is introduced to the screen face which is louvered so that it is smooth in the downstream direction. The effect created is called "Continuous Deflective Separation." The power of the incoming flow is harnessed to continually shear debris off the screen and to direct trash and sediment toward the center of the separation cylinder.

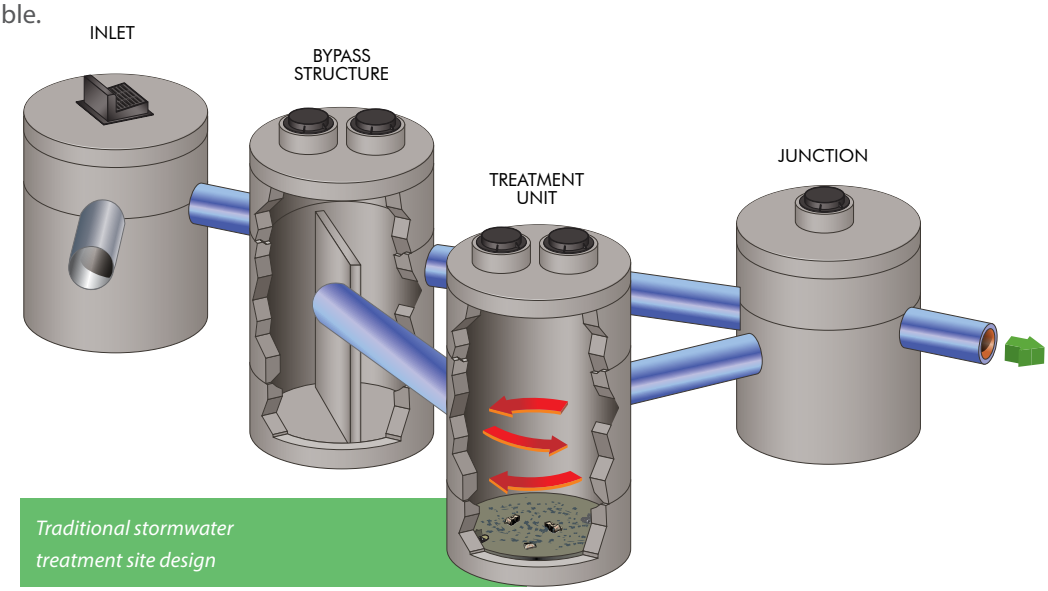




CDS® Design Configuration

Why use traditional stormwater design when ONE system can do it all ...

The CDS effectively treats stormwater runoff while reducing the number of structures on your site. Inline, offline, grate inlet, and drop inlet configurations available. Internal and external peak bypass options also available.

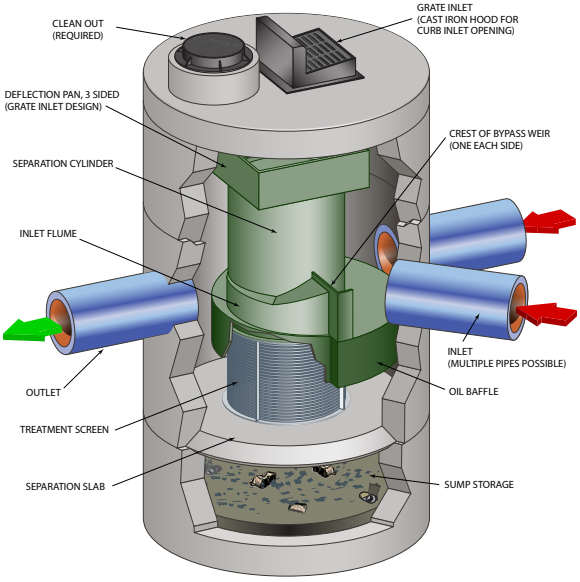


Traditional stormwater treatment site design

A Traditional Stormwater Treatment Site Design would require several structures on your site. With CDS, one system can do it all!

CDS® Advantages

- Grate inlet option available
- Internal bypass weir
- Accepts multiple inlets at a variety of angles
- Advanced hydrodynamic separator
- Captures and retains 100% of floatables and neutrally buoyant debris 4.7 mm or larger
- Indirect screening capability keeps screen from clogging
- Retention of all captured pollutants, even at high flows
- Performance verified by NJCAT, WA Ecology, and ETV Canada



Learn More:
www.ContechES.com/cds

CDS® Applications

CDS is commonly used in the following stormwater applications:

- Stormwater quality control – trash, debris, sediment, and hydrocarbon removal
- Urban retrofit and redevelopment
- Inlet and outlet protection
- Pretreatment for filtration, detention/infiltration, bioretention, rainwater harvesting systems, and Low Impact Development designs



CDS® provides trash control



CDS® pretreats a bioswale

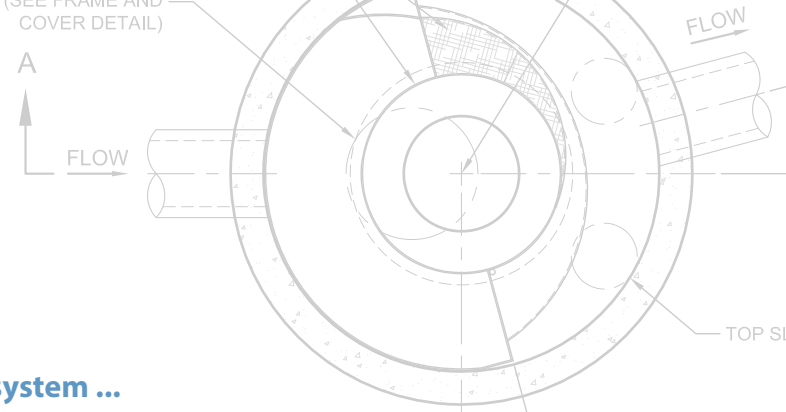
Select CDS® Certifications and Verifications

CDS has been verified by some of the most stringent stormwater technology evaluation organizations in North America, including:

- Washington State Department of Ecology (GULD) - Pretreatment
- New Jersey Department of Environmental Protection (NJ DEP)
- Canadian Environmental Technology Verification (ETV)
- California Statewide Trash Amendments Full Capture System Certified*

**The CDS System has been certified by the California State Water Resources Control Board as a Full Capture System provided that it is sized to treat the peak flow rate from the region specific 1-year, 1-hour design storm, or the peak flow capacity of the corresponding storm drain, whichever is less.*

Save time, space and money with CDS



CDS® Maintenance

Select a cost-effective and easy-to-access treatment system ...

Systems vary in their maintenance needs, and the selection of a cost-effective and easy-to-access treatment system can mean a huge difference in maintenance expenses for years to come.

A CDS unit is designed to minimize maintenance and make it as easy and inexpensive as possible to keep our systems working properly.

INSPECTION

Inspection is the key to effective maintenance. Pollutant deposition and transport may vary from year to year and site to site. Semi-annual inspections will help ensure that the system is cleaned out at the appropriate time. Inspections should be performed more frequently where site conditions may cause rapid accumulation of pollutants.



Most CDS® units can easily be cleaned within thirty minutes.

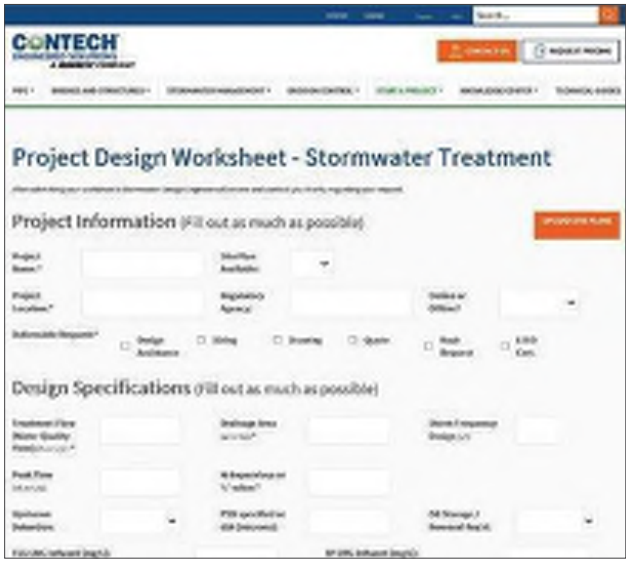
RECOMMENDATIONS FOR CDS MAINTENANCE

The recommended cleanout of solids within the CDS unit's sump should occur at 75% of the sump capacity. Access to the CDS unit is typically achieved through two manhole access covers – one allows inspection and cleanout of the separation chamber and sump, and another allows inspection and cleanout of sediment captured and retained behind the screen. A vacuum truck is recommended for cleanout of the CDS unit and can be easily accomplished in less than 30 minutes for most installations.

HDS Product Design Worksheets

Our in-house team of engineers can support you through the entire permitting process - and the first step is sending us your project information by filling out one of the Project Design Worksheets. We will forward your information to an in-house engineer who will contact you with specific recommendations for your project.

The free tool is available at www.ContechES.com/pdw-treatment



Learn More:
www.ContechES.com/pdw-treatment

A partner you can rely on

CDS® Models and Capacities

	CDS MODEL	Treatment Flow Rates[1] 75 microns (cfs)/(L/s)	125 microns[2] (cfs)/(L/s)	Trash & Debris (cfs)/(L/s)	Estimated Maximum Peak Conveyance Flow[3] (cfs)/(L/s)	Minimum Sump Storage Capacity[4] (yd^3)/(m^3)	Minimum Oil Storage Capacity[4] (gal)/(L)
PRECAST	CDS2015-4	0.5 (14.2)	0.7 (19.8)	1.0 (28.3)	10 (283)	0.9 (0.7)	61 (232)
	CDS2015-5	0.5 (14.2)	0.7(19.8)	1.0 (28.3)	10 (283)	1.5 (1.1)	83 (313)
	CDS2020-5	0.7 (19.8)	1.1 (31.2)	1.5 (42.5)	14 (396)	1.5 (1.1)	99 (376)
CDS#1&2	CDS2025-5	1.1 (31.2)	1.6 (45.3)	2.2 (62.3)	14 (396)	1.5 (1.1)	116 (439)
	CDS3020-6	1.4 (39.6)	2.0 (56.6)	2.8 (79.3)	20 (566)	2.1 (1.6)	184 (696)
	CDS3025-6	1.7 (48.1)	2.5 (70.8)	3.5 (99.2)	20 (566)	2.1 (1.6)	210 (795)
	CDS3030-6	2.0 (56.6)	3.0 (85.0)	4.2 (118.9)	20 (566)	2.1 (1.6)	236 (895)
	CDS3035-6	2.6 (73.6)	3.8 (106.2)	5.3 (150.0)	20 (566)	2.1 (1.6)	263 (994)
	CDS4030-8	3.1 (87.7)	4.5 (127.4)	6.3 (178.3)	30 (850)	5.6 (4.3)	426 (1612)
	CDS4040-8	4.1 (116.1)	6.0 (169.9)	8.4 (237.8)	30 (850)	5.6 (4.3)	520 (1970)
	CDS4045-8	5.1 (144.4)	7.5 (212.4)	10.5 (297.2)	30 (850)	5.6 (4.3)	568 (2149)
	CDS5640-10	6.1 (172.7)	9.0 (254.9)	12.6 (356.7)	50 (1416)	8.7 (6.7)	758 (2869)
	CDS5653-10	9.5 (268.9)	14.0 (396.5)	19.6 (554.8)	50 (1416)	8.7 (6.7)	965 (3652)
	CDS5668-10	12.9 (365.1)	19.0 (538.1)	26.6 (752.9)	50 (1416)	8.7 (6.7)	1172 (4435)
	CDS5678-10	17.0 (481.2)	25.0 (708.0)	35.0 (990.7)	50 (1416)	8.7 (6.7)	1309 (4956)
	CDS9280-12	27.2 (770.2)	40.0 (1132.7)	56.0 (1585.7)	Offline	16.8 (12.8)	N/A
	CDS9290-12	35.4 (1002.4)	52.0 (1472.5)	72 (2038.8)		16.8 (12.8)	
	CDS92100-12	42.8 (1212.0)	63.0 (1783.9)	88 (2491.9)		16.8 (12.8)	
CAST-IN-PLACE	CDS150134-22	100.7 (2851.5)	148.0 (4190.9)	270 (7645.6)		56.3 (43.0)	
	CDS200164-26	183.6 (5199.0)	270.0 (7645.6)	378.0 (10703.8)		78.7 (60.2)	
	CDS240160-32	204 (5776.6)	300.0 (8495.1)	420.0 (11893.0)		119.1 (91.1)	
	Additional Cast-in-Place models available upon request.						

1. Alternative PSD/D_{50} sizing is available upon request.
2. 125 micron flows are based on the CDS Washington State Department of Ecology approval for 80% removal of a particle size distribution (PSD) having a mean particle size (D_{50}) of 125 microns.
3. Estimated maximum peak conveyance flow is calculated using conservative values and may be exceeded on sites with lower inflow velocities and sufficient head over the weir.
4. Sump and oil capacities can be customized to meet site needs.

STORMWATER SOLUTIONS

PIPE SOLUTIONS

STRUCTURES SOLUTIONS

NOTHING IN THIS CATALOG SHOULD BE CONSTRUED AS A WARRANTY. APPLICATIONS SUGGESTED HEREIN ARE DESCRIBED ONLY TO HELP READERS MAKE THEIR OWN EVALUATIONS AND DECISIONS, AND ARE NEITHER GUARANTEES NOR WARRANTIES OF SUITABILITY FOR ANY APPLICATION. CONTECH MAKES NO WARRANTY WHATSOEVER, EXPRESS OR IMPLIED, RELATED TO THE APPLICATIONS, MATERIALS, COATINGS, OR PRODUCTS DISCUSSED HEREIN. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND ALL IMPLIED WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE ARE DISCLAIMED BY CONTECH. SEE CONTECH'S CONDITIONS OF SALE (AVAILABLE AT WWW.CONTECHES.COM/COS) FOR MORE INFORMATION.

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Worksheet 2

Design Procedure Form for Design Flow

Uniform Intensity Design Flow

Designer: Manny Gonzales
Company: Huitt-Zollars
Date: 10/12/22
Project: R315482.01
Location: CDS#1

1. Determine Impervious Percentage		
a. Determine total tributary area	A_{total} = 4.6 acres	***(1)***
b. Determine Impervious %	i = 90 %	***(2)***
2. Determine Runoff Coefficient Values Use **Table 4** and impervious % found in step 1		
a. A Soil Runoff Coefficient	C_a =	***(3)***
b. B Soil Runoff Coefficient	C_b = 0.82	***(4)***
c. C Soil Runoff Coefficient	C_c =	***(5)***
d. D Soil Runoff Coefficient	C_d =	***(6)***
3. Determine the Area decimal fraction of each soil type in tributary area		
a. Area of A Soil / ***(1)*** =	A_a =	***(7)***
b. Area of B Soil / ***(1)*** =	A_b = 1	***(8)***
c. Area of C Soil / ***(1)*** =	A_c =	***(9)***
d. Area of D Soil / ***(1)*** =	A_d =	***(10)***
4. Determine Runoff Coefficient		
a. C = ***(3)***x***(7)*** + ***(4)***x***(8)*** + ***(5)***x***(9)*** + ***(6)***x***(10)*** =	C = 0.82	***(11)***
5. Determine BMP Design flow		
a. Q_{BMP} = C x I x A = ***(11)*** x 0.2 x ***(1)***	Q_{BMP} = 0.75 $\frac{ft^3}{s}$	***(12)***

1yr, 1hr Calculations
C=0.82, I=0.394 from NOAA, A=4.6 ac above
Q1yr = 0.82 x 0.394 x 4.6 = 1.5 cfs < CDS #1: 2.2 cfs treatment capacity

peak flow = 15.3 cfs

Worksheet 2

Design Procedure Form for Design Flow

Uniform Intensity Design Flow

Designer: Manny Gonzales
Company: Huitt-Zollars
Date: 10/12/22
Project: R315482.01
Location: CDS#2

1. Determine Impervious Percentage		
a. Determine total tributary area	A_{total} = 2.6 acres	***(1)***
b. Determine Impervious %	i = 90 %	***(2)***
2. Determine Runoff Coefficient Values Use **Table 4** and impervious % found in step 1		
a. A Soil Runoff Coefficient	C_a =	***(3)***
b. B Soil Runoff Coefficient	C_b = 0.82	***(4)***
c. C Soil Runoff Coefficient	C_c =	***(5)***
d. D Soil Runoff Coefficient	C_d =	***(6)***
3. Determine the Area decimal fraction of each soil type in tributary area		
a. Area of A Soil / ***(1)*** =	A_a =	***(7)***
b. Area of B Soil / ***(1)*** =	A_b = 1	***(8)***
c. Area of C Soil / ***(1)*** =	A_c =	***(9)***
d. Area of D Soil / ***(1)*** =	A_d =	***(10)***
4. Determine Runoff Coefficient		
a. C = ***(3)***x***(7)*** + ***(4)***x***(8)*** + ***(5)***x***(9)*** + ***(6)***x***(10)*** =	C = 0.82	***(11)***
5. Determine BMP Design flow		
a. Q_{BMP} = C x I x A = ***(11)*** x 0.2 x ***(1)***	Q_{BMP} = 0.43 $\frac{ft^3}{s}$	***(12)***

1yr, 1hr Calculations
C=0.82, I=0.394 from NOAA, A=2.6 ac above
Q1yr = 0.82 x 0.394 x 2.6 = 0.84 cfs < CDS #2: 2.2 cfs treatment capacity

peak 100yr flow = 12.1 cfs

Worksheet 2

Design Procedure Form for Design Flow

Uniform Intensity Design Flow

Designer: Manny Gonzales
Company: Huitt-Zollars
Date: 11/16/22
Project: R315482.01
Location: CATCH BASIN AT VICTORIA AVE

1. Determine Impervious Percentage		
a. Determine total tributary area	A_{total} = 0.6 acres	***(1)***
b. Determine Impervious %	i = 90 %	***(2)***
2. Determine Runoff Coefficient Values Use **Table 4** and impervious % found in step 1		
a. A Soil Runoff Coefficient	C_a =	***(3)***
b. B Soil Runoff Coefficient	C_b = 0.82	***(4)***
c. C Soil Runoff Coefficient	C_c =	***(5)***
d. D Soil Runoff Coefficient	C_d =	***(6)***
3. Determine the Area decimal fraction of each soil type in tributary area		
a. Area of A Soil / ***(1)*** =	A_a =	***(7)***
b. Area of B Soil / ***(1)*** =	A_b = 1	***(8)***
c. Area of C Soil / ***(1)*** =	A_c =	***(9)***
d. Area of D Soil / ***(1)*** =	A_d =	***(10)***
4. Determine Runoff Coefficient		
a. C = ***(3)***x***(7)*** + ***(4)***x***(8)*** + ***(5)***x***(9)*** + ***(6)***x***(10)*** =	C = 0.82	***(11)***
5. Determine BMP Design flow		
a. Q_{BMP} = C x I x A = ***(11)*** x 0.2 x ***(1)***	Q_{BMP} = 0.1 $\frac{ft^3}{s}$	***(12)***

1yr, 1hr Calculations
C=0.82, I=0.394 from NOAA, A=0.6 ac above
Q1yr = 0.82 x 0.394 x 0.6 = 0.2 cfs < ADS screen Filter: 2.2 cfs treatment capacity

Attachment C
Educational Materials & BMP Fact Sheets

After the Storm

A Citizen's Guide to Understanding Stormwater

WHEN IT RAINS IT DRAINS

What is stormwater runoff?



Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

Why is stormwater runoff a problem?



Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

The effects of pollution





Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.
- Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.
- Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.



Stormwater Pollution Solutions



Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care



Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.

- Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- Cover piles of dirt or mulch being used in landscaping projects.

Septic systems



Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.

- Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- Don't dispose of household hazardous waste in sinks or toilets

Auto care



Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.

- Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Pet waste



Pet waste can be a major source of bacteria and excess nutrients in local waters.

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.



Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential landscaping

Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.

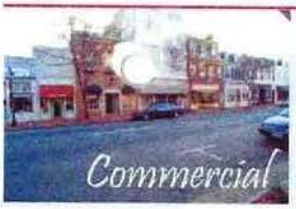
Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.



Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.



Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.

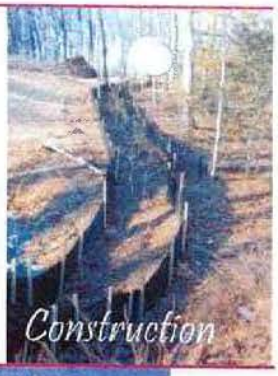


Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- Cover grease storage and dumpsters and keep them clean to avoid leaks.
- Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be washed into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- Divert stormwater away from disturbed or exposed areas of the construction site
- Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.

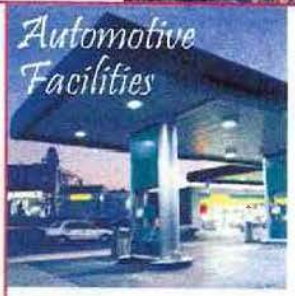




Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.



- Keep livestock away from streambanks and provide them a water source away from waterbodies.
- Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- Vegetate riparian areas along waterways.
- Rotate animal grazing to prevent soil erosion in fields.
- Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.



Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater

- Clean up spills immediately and properly dispose of cleanup materials.
- Provide cover over fueling stations and design or retrofit facilities for spill containment.
- Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies
- Install and maintain oil/water separators.



Improperly managed logging operations can result in erosion and sedimentation.

- Conduct preharvest planning to prevent erosion and lower costs.
- Use logging methods and equipment that minimize soil disturbance.
- Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- Construct stream crossings so that they minimize erosion and physical changes to streams.
- Expedite revegetation of cleared areas.

Help Protect Our Waterways!

Use these guidelines for Outdoor Cleaning Activities and Wash Water Disposal

Did you know that disposing of pollutants into the street, gutter, storm drain or body of water is *PROHIBITED* by law and can result in stiff penalties?

Best Management Practices

Waste wash water from Mechanics, Plumbers, Window/Power Washers, Carpet Cleaners, Car Washing and Mobile Detailing activities may contain significant quantities of motor oil, grease, chemicals, dirt, detergents, brake pad dust, litter and other materials.

Best Management Practices, or BMPs as they are known, are guides to prevent pollutants from entering the storm drains. *Each of us* can do our part to keep stormwater clean by using the suggested BMPs below:

Simple solutions for both light and heavy duty jobs:

Do...consider dry cleaning methods first such as a mop, broom, rag or wire brush. Always keep a spill response kit on site.

Do...prepare the work area before power cleaning by using sand bags, rubber mats, vacuum booms, containment pads or temporary berms to keep wash water away from the gutters and storm drains.

Do...use vacuums or other machines to remove and collect loose debris or litter before applying water.

Do...obtain the property owner's permission to dispose of ***small amounts*** of power washing waste water on to landscaped, gravel or unpaved surfaces.

Do...check your local sanitary sewer agency's policies on wash water disposal regulations before disposing of wash water into the sewer. (See list on reverse side)

Do...be aware that if discharging to landscape areas, soapy wash water may damage landscaping. Residual wash water may remain on paved surfaces to evaporate. Sweep up solid residuals and dispose of properly. Vacuum booms are another option for capturing and collecting wash water.

Do...check to see if local ordinances prevent certain activities.

Do not let...wash or waste water from sidewalk, plaza or building cleaning go into a street or storm drain.



Report illegal storm drain disposal
Call Toll Free
1-800-506-2555

Using Cleaning Agents

Try using biodegradable/phosphate-free products. They are easier on the environment, but don't confuse them with being toxic free. Soapy water entering the storm drain system can impact the delicate aquatic environment.



When cleaning surfaces with a ***high-pressure washer*** or ***steam cleaner***, additional precautions should be taken to prevent the discharge of pollutants into the storm drain system. These two methods of surface cleaning can loosen additional material that can contaminate local waterways.

Think Water Conservation

Minimize water use by using high pressure, low volume nozzles. Be sure to check all hoses for leaks. Water is a precious resource, don't let it flow freely and be sure to shut it off in between uses.

Screening Wash Water

Conduct thorough dry cleanup before washing exterior surfaces, such as buildings and decks ***with loose paint***, sidewalks or plaza areas. Keep debris from entering the storm drain after cleaning by first passing the wash water through a "20 mesh" or finer screen to catch the solid materials, then dispose of the mesh in a refuse container. Do not let the remaining wash water enter a street, gutter or storm drain.

Drain Inlet Protection & Collection of Wash Water

- Prior to any washing, block all storm drains with an impervious barrier such as sandbags or berms, or seal the storm drain with plugs or other appropriate materials.
- Create a containment area with berms and traps or take advantage of a low spot to keep wash water contained.
- Wash vehicles and equipment on grassy or gravel areas so that the wash water can seep into the ground.
- Pump or vacuum up all wash water in the contained area.

Concrete/Coring/Saw Cutting and Drilling Projects

Protect any down-gradient inlets by using dry activity techniques whenever possible. If water is used, minimize the amount of water used during the coring/drilling or saw cutting process. Place a barrier of sandbags and/or absorbent berms to protect the storm drain inlet or watercourse. Use a shovel or wet vacuum to remove the residue from the pavement. Do not wash residue or particulate matter into a storm drain inlet or watercourse.

Helpful telephone numbers and links:

Riverside County Stormwater Protection Partners

Flood Control District	(951) 955-1200
County of Riverside	(951) 955-1000
City of Banning	(951) 922-3105
City of Beaumont	(951) 769-8520
City of Calimesa	(909) 795-9801
City of Canyon Lake	(951) 244-2955
Cathedral City	(760) 770-0327
City of Coachella	(760) 398-4978
City of Corona	(951) 736-2447
City of Desert Hot Springs	(760) 329-6411
City of Eastvale	(951) 361-0900
City of Hemet	(951) 765-2300
City of Indian Wells	(760) 346-2489
City of Indio	(760) 391-4000
City of Lake Elsinore	(951) 674-3124
City of La Quinta	(760) 777-7000
City of Menifee	(951) 672-6777
City of Moreno Valley	(951) 413-3000
City of Murrieta	(951) 304-2489
City of Norco	(951) 270-5607
City of Palm Desert	(760) 346-0611
City of Palm Springs	(760) 323-8299
City of Perris	(951) 943-6100
City of Rancho Mirage	(760) 324-4511
City of Riverside	(951) 361-0900
City of San Jacinto	(951) 654-7337
City of Temecula	(951) 694-6444
City of Wildomar	(951) 677-7751

REPORT ILLEGAL STORM DRAIN DISPOSAL
1-800-506-2555 or e-mail us at
fcnpdes@rcflood.org

- Riverside County Flood Control and Water Conservation District
  www.rcflood.org

Online resources include:

- California Storm Water Quality Association
  www.casqa.org
- State Water Resources Control Board
  www.waterboards.ca.gov
- Power Washers of North America
  www.thepwna.org

Stormwater Pollution

What you should know for...

Outdoor Cleaning Activities and Professional Mobile Service Providers



Storm drain pollution prevention information for:

- Car Washing / Mobile Detailers
- Window and Carpet Cleaners
- Power Washers
- Waterproofers / Street Sweepers
- Equipment cleaners or degreasers and all mobile service providers

Do you know where street flows actually go?

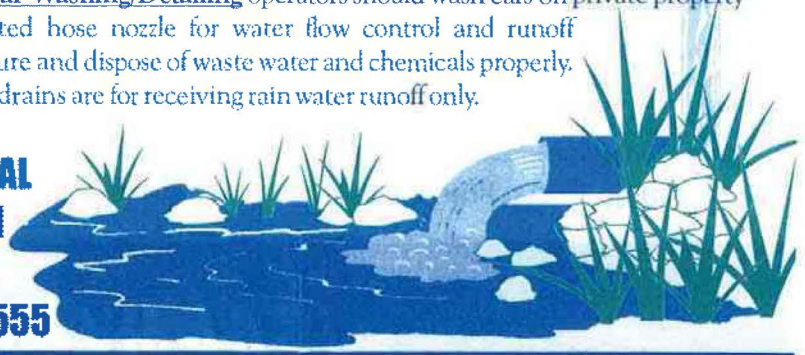
Storm drains are NOT connected to sanitary sewer systems and treatment plants!



The primary purpose of storm drains is to carry *rain* water away from developed areas to prevent flooding. Pollutants discharged to storm drains are transported directly into rivers, lakes and streams. Soaps, degreasers, automotive fluids, litter and a host of materials are washed off buildings, sidewalks, plazas and parking areas. Vehicles and equipment must be properly managed to prevent the pollution of local waterways.

Unintentional spills by mobile service operators can flow into storm drains and pollute our waterways. **Avoid mishaps.** *Always* have a **Spill Response Kit** on hand to clean up unintentional spills. Only emergency **Mechanical** repairs should be done in City streets, using drip pans for spills. **Plumbing** should be done on private property. Always store chemicals in a leak-proof container and keep covered when not in use. **Window/Power Washing** waste water shouldn't be released into the streets, but should be disposed of in a sanitary sewer, landscaped area or in the soil. Soiled **Carpet Cleaning** wash water should be filtered before being discharged into the sanitary sewer. Dispose of all filter debris properly. **Car Washing/Detailing** operators should wash cars on private property and use a regulated hose nozzle for water flow control and runoff prevention. Capture and dispose of waste water and chemicals properly. Remember, storm drains are for receiving rain water runoff only.

REPORT ILLEGAL STORM DRAIN DISPOSAL 1-800-506-2555



For Information:

For more information on the General Industrial Storm Water Permit contact:

State Water Resources Control Board (SWRCB)
(916) 657-1146 or www.swrcb.ca.gov/ or, at your Regional Water Quality Control Board (RWQCB).

Santa Ana Region (8)
California Tower
3737 Main Street, Ste. 500
Riverside, CA 92501-3339
(909) 782-4130

San Diego Region (9)
9771 Clairemont Mesa Blvd., Ste. A
San Diego, CA 92124
(619) 467-2952

Colorado River Basin Region (7)
73-720 Fred Waring Dr., Ste. 100
Palm Desert, CA 92260
(760) 346-7491

Spill Response Agency:
Haz-Mat: (909) 358-5055
Hazardous Waste Disposal: (909) 358-5055
Recycling Information: 1-800-366-SAVE
To Report Illegal Dumping or a Clogged Storm Drain: 1-800-506-2555

To order additional brochures or to obtain information on other pollution prevention activities, call: (909) 955-1111.

StormWater CleanWater
PROTECTION PROGRAM

Riverside County gratefully acknowledges the State Water Quality Control Board and the American Public Works Association, Storm Water Quality Task Force for the information provided in this brochure.

Did You Know . . .

Your Facility May Need A Storm Water Permit?



Many industrial facilities and manufacturing operations must obtain coverage under the Industrial Activities Storm Water General Permit

FIND OUT IF YOUR FACILITY MUST OBTAIN A PERMIT

StormWater Pollution . . . What you should know

Riverside County has two drainage systems - sanitary sewers and storm drains. The storm drain system is designed to help prevent flooding by carrying excess rainwater away from streets. Since the storm drain system does not provide for water treatment, it also serves the *unintended* function of transporting pollutants directly to our waterways.

Unlike sanitary sewers, storm drains are not connected to a treatment plant - they flow directly to our local streams, rivers and lakes.



In recent years, awareness of the need to protect water quality has increased. As a result, federal, state, and local programs have been established to reduce polluted stormwater discharges to our waterways. The emphasis of these programs is to prevent stormwater pollution since it's much easier, and less costly, than cleaning up "after the fact."

National Pollutant Discharge Elimination System (NPDES)

In 1987, the Federal Clean Water Act was amended to establish a framework for regulating industrial stormwater discharges under the NPDES permit program. In California, NPDES permits are issued by the State Water Resources Control Board (SWRCB) and the nine (9) Regional Water Quality Control Boards (RWQCB). In general, certain industrial facilities and manufacturing operations must obtain coverage under the Industrial Activities Storm Water General Permit if the type of facilities or operations falls into one of the several categories described in this brochure.

How Do I Know If I Need A Permit?

Following are ***general descriptions*** of the industry categories types that are regulated by the Industrial Activities Storm Water General Permit. Contact your local Region Water Quality Control Board to determine if your facility/operation requires coverage under the Permit.

➜ Facilities such as cement manufacturing; feedlots; fertilizer manufacturing; petroleum refining; phosphate manufacturing; steam electric power generation; coal mining; mineral mining and processing; ore mining and dressing; and asphalt emulsion;

➜ Facilities classified as lumber and wood products (except wood kitchen cabinets); pulp, paper, and paperboard mills; chemical producers (except some pharmaceutical and biological products); petroleum and coal products; leather production and products; stone, clay and glass products; primary metal industries; fabricated structural metal; ship and boat building and repairing;

➜ Active or inactive mining operations and oil and gas exploration, production, processing, or treatment operations;

➜ Hazardous waste treatment, storage, or disposal facilities;

➜ Landfills, land application sites and open dumps that receive or have received any industrial waste; unless there is a new overlying land use such as a golf course, park, etc., and there is no discharge associated with the landfill;

➜ Facilities involved in the recycling of materials, including metal scrap yards, battery reclaimers, salvage yards, and automobile junkyards;

➜ Steam electric power generating facilities, facilities that generate steam for electric power by combustion;

➜ Transportation facilities that have vehicle maintenance shops, fueling facilities, equipment cleaning operations, or airport deicing operations. This includes school bus maintenance facilities operated by a school district;

➜ Sewage treatment facilities;

➜ Facilities that have areas where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water.

How do I obtain coverage under the Industrial Activities Storm Water General Permit?

Obtain a permit application package from your local Regional Water Quality Control Board listed on the back of this brochure or the State Water Resources Control Board (SWRCB). Submit a completed Notice of Intent (NOI) form, site map and the appropriate fee ($250 or $500) to the SWRCB. Facilities must submit an NOI thirty (30) days prior to beginning operation. Once you submit the NOI, the State Board will send you a letter acknowledging receipt of your NOI and will assign your facility a waste discharge identification number (WDID No.). You will also receive an annual fee billing. These billings should roughly coincide with the date the State Board processed your original NOI submittal.

What are the requirements of the Industrial Activities Storm Water General Permit?

The basic requirements of the Permit are:

1. The facility must eliminate any non-stormwater discharges or obtain a separate permit for such discharges.

2. The facility must develop and implement a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP must identify sources of pollutants that may be exposed to stormwater. Once the sources of pollutants have been identified, the facility operator must develop and implement Best Management Practices (BMPs) to minimize or prevent polluted runoff.

   Guidance in preparing a SWPPP is available from a document prepared by the California Storm Water Quality Task Force called the California Storm Water Best Management Practice Handbook.

3. The facility must develop and implement a Monitoring Program that includes conducting visual observations and collecting samples of the facility's storm water discharges associated with industrial activity. The General Permit requires that the analysis be conducted by a laboratory that is certified by the State of California.

4. The facility must submit to the Regional Board, every July 1, an annual report that includes the results of its monitoring program.

A Non-Storm Water Discharge is... *any discharge to a storm drain system that is not composed entirely of storm water. The following non-storm water discharges are authorized by the General Permit: fire hydrant flushing; potable water sources, including potable water related to the operation, maintenance, or testing of potable water systems; drinking fountain water; atmospheric condensates including refrigeration, air conditioning, and compressor condensate; irrigation drainage; landscape watering; springs; non-contaminated ground water; foundation or footing drainage; and sea water infiltration where the sea waters are discharged back into the sea water source.*

A BMP is . . . *a technique, process, activity, or structure used to reduce the pollutant content of a storm water discharge. BMPs may include simple, non-structural methods such as good housekeeping, staff training and preventive maintenance. Additionally, BMPs may include structural modifications such as the installation of berms, canopies or treatment control (e.g. setting basins, oil/water separators, etc.)*



WARNING*: There are significant penalties for non-compliance: a minimum fine of $5,000 for failing to obtain permit coverage, and, up to $10,000 per day, per violation plus $10 per gallon of discharge in excess of 1,000 gallons.*

StormWater Pollution . . . What You Should Know

Riverside County has two drainage systems - sewers and storm drains. The storm drain system was designed to reduce flooding by carrying excess rainwater away from streets and developed areas. Since the storm drain system does not provide for water treatment, it also serves the *unintended* function of transporting pollutants directly to our local waterways.



Unlike sanitary sewers, storm drains are not connected to a wastewater treatment plant – they flow directly to our local streams, rivers and lakes.

Stormwater runoff is a part of the natural hydrologic process. However, land development and construction activities can significantly alter natural drainage processes and introduce pollutants into stormwater runoff. Polluted stormwater runoff from construction sites has been identified as a major source of water pollution in California. It jeopardizes the quality of our local waterways and can pose a serious threat to the health of our aquatic ecosystems.

The Cities and County of Riverside StormWater/CleanWater Protection Program



Because preventing pollution is much easier and less costly than cleaning up "after the fact," the Cities and County of Riverside StormWater/CleanWater Protection Program informs residents and businesses on pollution prevention activities. This pamphlet describes various Best Management Practices (BMPs) that construction site operators can use to prevent stormwater pollution.

In accordance with applicable federal and state law, the Cities and County of Riverside have adopted ordinances for stormwater management and discharge control that **prohibit** the discharge of pollutants into the storm drain system or local surface water. This includes discharges from construction sites containing sediment, concrete, mortar, paint, solvents, lubricants, vehicle fluids, fuel, pesticides, and construction debris.

PLEASE NOTE: The Federal, State and local regulations strictly prohibit the discharge of sediment and pollutants into the streets, the storm drain system or waterways. As an owner, operator or supervisor of a construction site, you may be held financially responsible for any environmental damage caused by your subcontractors or employees.

STORMWATER POLLUTION FROM CONSTRUCTION ACTIVITIES

The two most common sources of stormwater pollution problems associated with construction activities are ***erosion*** and ***sedimentation***. Failure to maintain adequate erosion and sediment controls at construction sites often results in sediment discharges into the storm drain system, creating multiple problems once it enters local waterways.

Construction vehicles and heavy equipment can also track significant amounts of mud and sediment onto adjacent streets. Additionally, wind may transport construction materials and wastes into streets storm drains, or directly into our local waterways.





Resources

State Water Resources Control Board
Division of Water Quality
1001 I Street
Sacramento CA 95814
(916) 341-5455
www.swrcb.ca.gov/stormwtr/

Colorado River Basin Regional Water Quality Control Board - Region 7
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260
(760) 346-7491
www.swrcb.ca.gov/~rwqcb7/

Santa Ana Regional Water Quality Control Board - Region 8
3737 Main Street, Suite 500
Riverside, CA 92501-3348
(909) 782-4130
www.swrcb.ca.gov/~rwqcb8/

San Diego Regional Water Quality Control Board - Region 9
9771 Clairemont Mesa Blvd., Suite A
San Diego, CA 92124
(858) 467-2952
www.swrcb.ca.gov/~rwqcb9/

To report a hazardous materials spill, call:

Riverside County Hazardous Materials Emergency Response Team
(909) 358-5055 8:00 a.m. – 5:00 p.m.
(909) 358-5245 after 5:00 p.m.

In an emergency call: **911**

For recycling and hazardous waste disposal, call:

(909) 358-5055

To report an illegal dumping or a clogged storm drain, call:

1-800-506-2555

To order additional brochures or to obtain information on other pollution prevention activities, please call (909) 955-1200 or visit the StormWater/CleanWater Protection Program website at: www.co.riverside.ca.us/depts/flood/waterquality npdes.asp

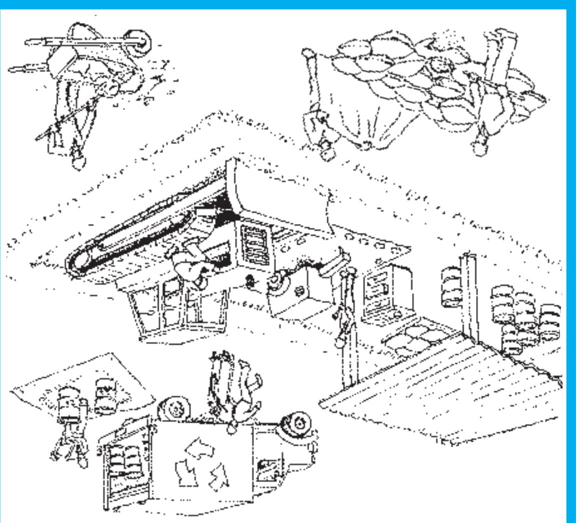
StormWater CleanWater PROTECTION PROGRAM

The StormWater/CleanWater Protection Program gratefully acknowledges the Santa Clara Valley Nonpoint Pollution Control Program, Alameda Countywide CleanWater Program and the City of Los Angeles Stormwater Management Division for information provided in this brochure.

StormWater Pollution

What you should know for...

GENERAL CONSTRUCTION & SITE SUPERVISION



Best Management Practices (BMPs) for:

- Developers
- General Contractors
- Home Builders
- Construction Inspectors
- Anyone in the construction business

What Should You Do?

Advance Planning to Prevent Pollution

- ❑ Remove existing vegetation only as needed.
- ❑ Schedule excavation, grading, and paving operations for dry weather periods, if possible.
- ❑ Designate a specific area of the construction site, well away from storm drain inlets or watercourses, for material storage and equipment maintenance.
- ❑ Develop and implement an effective combination of erosion and sediment controls for the construction site.
- ❑ Practice source reduction by ordering only the amount of materials that are needed to finish the project.
- ❑ Educate your employees and subcontractors about stormwater management requirements and their pollution prevention responsibilities.
- ❑ Control the amount of surface runoff at the construction site by impeding internally generated flows and using berms or drainage ditches to direct incoming offsite flows to go around the site. ***Note:*** *Consult local drainage policies for more information.*

Best Management Practices

The following Best Management Practices (BMPs) can significantly reduce pollutant discharges from your construction site. Compliance with stormwater regulations can be as simple as minimizing stormwater contact with potential pollutants by providing covers and secondary containment for construction materials, designating areas away from storm drain systems for storing equipment and materials and implementing good housekeeping practices at the construction site.

- ❑ Protect all storm drain inlets and streams located near the construction site to prevent sediment-laden water from entering the storm drain system.
- ❑ Limit access to and from the site. Stabilize construction entrances/exits to minimize the track out of dirt and mud onto adjacent streets. Conduct frequent street sweeping.
- ❑ Protect stockpiles and construction materials from winds and rain by storing them under a roof, secured impermeable tarp or plastic sheeting.
- ❑ Avoid storing or stockpiling materials near storm drain inlets, gullies or streams.
- ❑ Phase grading operations to limit disturbed areas and duration of exposure.
- ❑ Perform major maintenance and repairs of vehicles and equipment offsite.
- ❑ Wash out concrete mixers only in designated washout areas at the construction site.
- ❑ Set-up and operate small concrete mixers on tarps or heavy plastic drop cloths.
- ❑ Keep construction sites clean by removing trash, debris, wastes, etc. on a regular basis.
- ❑ Clean-up spills immediately using dry clean-up methods (e.g., absorbent materials such as cat litter, sand or rags for liquid spills; sweeping for dry spills such as cement, mortar or fertilizer) and by removing the contaminated soil from spills on dirt areas. .
- ❑ Prevent erosion by implementing any or a combination of soil stabilization practices such as mulching, surface roughening, permanent or temporary seeding.
- ❑ Maintain all vehicles and equipment in good working condition. Inspect frequently for leaks, and repair promptly.
- ❑ Practice proper waste disposal. Many construction materials and wastes, including solvents, water-based paint, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation can be recycled. Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste.
- ❑ Cover open dumpsters with secured tarps or plastic sheeting. Never clean out a dumpster by washing it down on the construction site.
- ❑ Arrange for an adequate debris disposal schedule to insure that dumpsters do not overflow.

General Construction Activities Stormwater Permit

(Construction Activities General Permit)

The State Water Resources Control Board (SWRCB) adopted a new Construction Activities General Permit (WQ Order No. 99-08DWQ) on August 19, 1999, superseding the now expired SWRCB statewide General Permit (WQ Order No. 92-08DWQ). This permit is administered and enforced by the SWRCB and the local Regional Water Quality Control Boards (RWQCB). The updated Construction Activities General Permit establishes a number of new stormwater management requirements for construction site operator.

NOTE: *Some construction activies stormwater permits are issued on a regional basis. Consult your local RWQCB to find out if your project requires coverage under any of these permits.*

Frequently Asked Questions:

Does my construction site require coverage under the Construction Activities General Permit?

Yes, if construction activity results in the disturbance of five or more acres of total land area or is part of a common plan of development that results in the disturbance of five or more acres.

How do I obtain coverage under the Construction Activities General Permit?

Obtain the permit package and submit the completed Notice of Intent (NOI) form to the SWRCB prior to grading or disturbing soil at the construction site. For ongoing construction activity involving a change of ownership, the new owner must submit a new NOI within 30 days of the date of change of ownership. The completed NOI along with the required fee should be mailed to the SWRCB.

What must I do to comply with the requirements of the Construction Activities General Permit?

- ● Implement BMPs for non-stormwater discharges year-round.
- ● Prepare and implement a Stormwater Pollution Prevention Plan (SWPPP) prior to commencing construction activities.
- ● Keep a copy of the SWPPP at the construction site for the entire duration of the project.
- ● Calculate the anticipated stormwater run-off.
- ● Implement an effective combination of erosion and sediment control on all soil disturbed areas.
- ● Conduct site inspections prior to anticipated storm events, every 24-hours during extended storm events, and after actual storm event.
- ● Perform repair and maintenance of BMPs as soon as possible after storm events depending upon worker safety.
- ● Update the SWPPP as needed, to manage pollutants or reflect changes in site conditions.
- ● Include description of post construction BMPs at the construction site, including parties responsible for long-term maintenance.

NOTE: *Please refer to the Construction Activities General Permit for detailed information. You may contact the SWRCB, your local RWQCB, or visit the SWRCB website at www.swrcb.ca.gov/stormwtr/ to obtain a State Construction Activities Stormwater General Permit packet.*

How long is this Construction Activities General Permit in effect?

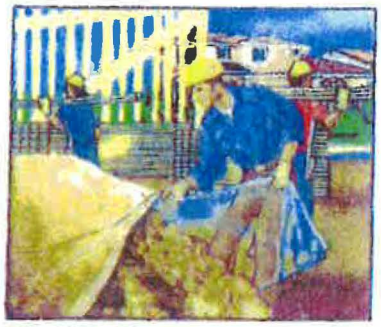
The Permit coverage stays in effect untilyou submit a Notice of Termination (NOT) to the SWRCB. For the purpose of submitting a NOT, all soil disturbing activities have to be completed and one of the three following criteria has to be met:

1. Change of ownership;
2. A uniform vegetative cover with 70 percent coverage has been established; or,
3. Equivalent stabilization measures such as the use of reinforced channel liners, soil cement, fiber matrices, geotextiles, etc., have been employed.

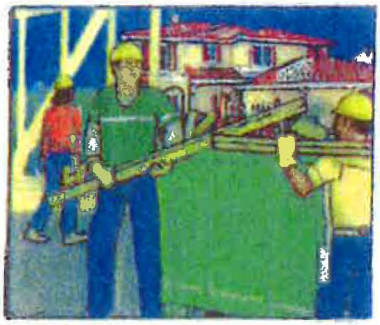
STORMWATER Pollution Prevention

CONSTRUCTION

Cement wash, sediment, vehicle fluids, dust and hazardous debris from construction sites often make their way into the San Bernardino County storm drain system and do not get treated before reaching the Santa Ana River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these best management practices to prevent pollution and protect public health.



Store Materials Safely
Keep construction materials and debris away from the street, gutter and storm drains. Cover exposed stockpiles of soil, sand or gravel and excavated material with plastic sheeting, protected from rain, wind and runoff.



Ordering Materials & Recycling Waste
Reduce waste by ordering only the amounts of materials needed for the job. Use recycled or recyclable materials whenever possible. You can recycle broken asphalt, concrete, wood, and cleared vegetation. Non-recyclable materials should be taken to a landfill or disposed of as hazardous waste. For recycling and disposal information, call (909) 386-8401.



Cleaning & Preventing Spills
Use a drip pan and funnel when draining or pouring fluids. Sweep up dry spills, instead of hosing. Be ready for spills by preparing and using spill containment and cleanup kits that include safety equipment and dry cleanup materials such as kitty litter or sawdust. To report serious spills, call 911.



Preventing Erosion
Avoid excavation or grading during wet weather. Plant temporary vegetation or add hydromulch on slopes where construction is not immediately planned, and permanent vegetation once excavation and grading are complete. Construct diversion dikes to channel runoff to a detention basin and around the construction site. Channels can be lined with grass or roughened pavement to reduce runoff velocity.



Maintaining Vehicles & Equipment
Maintain and refuel vehicles and equipment at a single location on-site, away from the street, gutter and storm drains. Perform major equipment repairs and washings off-site. Inspect vehicles and equipment frequently for leaks, and prevent leaks from stored vehicles by draining gas, hydraulic oil, transmission, brake and radiator fluids.

To report illegal dumping or for more information on stormwater pollution prevention, call:

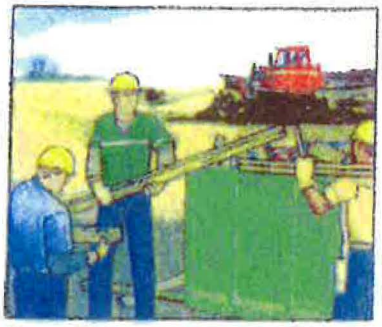
1 (800) CLEANUP

www.1800cleanup.org

STORMWATER Pollution Prevention

EXCAVATION AND GRADING

Sediment, cement wash, asphalt and vehicle fluids from soil excavation and grading often make their way into the San Bernardino County storm drain system and do not get treated before reaching the Santa Ana River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these best management practices to prevent pollution and protect public health.



Recycling Waste
Recycle broken asphalt, concrete, wood, and cleared vegetation whenever possible. Non-recyclable materials should be taken to a landfill or disposed of as hazardous waste. For recycling and disposal information, call (909) 386-8401.



Maintaining Vehicles & Equipment
Maintain and refuel vehicles and equipment at a single location on-site, away from the street, gutters and storm drains. Perform major equipment repairs and washings off-site. Inspect vehicles and equipment frequently for leaks. Use gravel approaches where truck traffic is heavy to reduce soil compaction and limit the tracking of sediment into the street.



Cleaning & Preventing Spills
Use a drip pan and funnel when draining or pouring fluids. Sweep up dry spills, instead of hosing. Be ready for spills by preparing and using spill containment and cleanup kits that include safety equipment and dry cleanup materials such as kitty litter or sawdust. Prevent leaks from stored vehicles by draining gas, hydraulic oil, transmission, brake and radiator fluids. To report serious spills, call 911.





Storing Materials
Keep construction materials and debris away from the street, gutter and storm drains. Cover exposed stockpiles of soil, sand or gravel and excavated material with plastic sheeting, protected from rain, wind and runoff.



Preventing Erosion
Avoid excavation or grading during wet weather. Plant temporary vegetation on slopes where construction is not immediately planned, and permanent vegetation once excavation and grading are complete. Construct diversion dikes to channel runoff. Channels can be lined with grass or roughened pavement to reduce runoff velocity.

To report illegal dumping or for more information on stormwater pollution prevention, call

1 (800) CLEANUP

www.1800cleanup.org

STORMWATER Pollution Prevention

FRESH CONCRETE & MORTAR APPLICATION

Cement wash, sediment, vehicle fluids, dust and hazardous debris from construction sites often make their way into the San Bernardino County storm drain system and do not get treated before reaching the Santa Ana River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these best management practices to prevent pollution and protect public health.



Storing Materials

Keep construction materials and debris away from the street, gutter and storm drains. Secure open bags of cement and cover exposed stockpiles of soil, sand or gravel and excavated material with plastic sheeting, protected from rain, wind and runoff.



Ordering Materials & Recycling Waste

Reduce waste by ordering only the amounts of materials needed for the job. Use recycled or recyclable materials whenever possible. When breaking up paving, recycle the pieces at a crushing company. You can also recycle broken asphalt, concrete, wood, and cleared vegetation. Non-recyclable materials should be taken to a landfill or disposed of as hazardous waste. Call [800] 336-9401 for recycling and disposal information.



During Construction

Schedule excavation and grading during dry weather. Prevent mortar and cement from entering the street and storm drains by placing erosion controls. Setup small mixers on tarps or drop cloths, for easy cleanup of debris. Never bury waste material. Recycle or dispose of it as hazardous waste.



Cleaning Up

Wash concrete dust onto designated dirt areas, not down driveways or into the street or storm drains. Wash out concrete mixers and equipment in specified washout areas, where water can flow into a containment pond. Cement washwater can be recycled by pumping it back into cement mixers for reuse. Never dispose of cement washout into driveways, streets, gutters, storm drains or drainage ditches.



To report illegal dumping or for more information on stormwater pollution prevention, call:

1 (800) CLEANUP

www.1800cleanup.org

STORMWATER Pollution Prevention

ROADWORK AND PAVING

Asphalt, saw-cut slurry and excavated materials from road paving, surfacing and pavement removal often make their way into the San Bernardino County storm drain system and do not get treated before reaching the Santa Ana River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these best management practices to prevent pollution and protect public health.



Preventing Erosion
Schedule excavation and grading work during dry weather. Develop and implement erosion and sediment control plans for excavated embankments. Cover exposed stockpiles of soil, sand or gravel and excavated material with plastic sheeting, protected from rain, wind and runoff.



During Construction
Cover catch basins and maintenance holes when applying seal coat, slurry seal or fog seal. Use check dams, ditches or berms around excavations, and avoid over applying water for dust control. Never wash excess materials from exposed aggregate or concrete into the street, gutter or a storm drain.



Maintaining Vehicles & Equipment
Maintain and refuel vehicles and equipment at a single location on-site, away from the street, gutter and storm drains. Perform major equipment repairs and washings off-site. Inspect vehicles and equipment frequently for leaks, and prevent leaks from stored vehicles by draining gas, hydraulic oil, transmission, brake and radiator fluids.

Asphalt & Concrete Removal
Barricade storm drain openings during saw-cutting, and recycle broken up pavement at a crushing company. For recycling information, call (909) 386-8401.



Cleaning & Preventing Spills
Be ready for spills by preparing and using spill containment and cleanup kits that include safety equipment and dry cleanup materials such as kitty litter or sawdust. Sweep up dry spills, instead of hosing. Prevent spills from paver machines by using drip pans, or by placing absorbent materials like cloths or rags under the machines when not in use. To report serious spills, call 911.



To report illegal dumping or for more information on stormwater pollution prevention, call:

1 (800) CLEANUP

www.1800cleanup.org

STORMWATER Pollution Prevention

PAINTING

Paints, solvents, adhesives and other toxic chemicals used in painting often make their way into the San Bernardino County storm drain system and do not get treated before reaching the Santa Ana River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these simple tips to prevent pollution and protect our health.



Water-Based Paints
Use water-based paints whenever possible. They are less toxic than oil-based paints and easier to clean up. Look for products labeled "latex" or "cleans with water."



Paint Removal
Sweep up paint stripping residue, chips and dust instead of hosing into the street and dispose of them safely at a household hazardous waste collection facility. Call (800) CLEANUP for the facility in your area.



Painting Cleanup
Never clean brushes or rinse paint containers in the street, gutter or near a storm drain. Clean water-based paints in the sink. Clean oil-based paints with thinner, which can be reused by putting it in a jar to settle out the paint particles and then pouring off the clear liquid for future use. Wrap dried paint residue in newspaper and dispose of it in the trash.



Exterior Paint Removal
When stripping or cleaning building exteriors with high-pressure water, block nearby storm drains and divert washwater onto a designated dirt area. Ask your local wastewater treatment authority if you can collect building cleaning water and discharge it to the sewer.



Recycling Paint
Recycle leftover paint at a household hazardous waste collection facility, save it for touch ups or give it to someone who can use it, like a theatre group, school, city or community organization.

To report illegal dumping or for more information on stormwater pollution prevention, call:

1 (800) CLEANUP

www.1800cleanup.org

STORMWATER Pollution Prevention

HOME & GARDEN

Yard waste and household toxics like paints and pesticides often make their way into the San Bernardino County storm drain system and do not get treated before reaching the Santa Ana River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these simple tips to prevent pollution and protect your health.



Recycle Household Hazardous Waste
Household products like paint, pesticides, solvents and cleaners are too dangerous to dump and too toxic to trash. Take them to be recycled at a convenient household hazardous waste collection facility. Call (800) CLEANUP for the facility in your area.



Disposing of Yard Waste
Recycle leaves, grass clippings and other yard waste, instead of blowing, sweeping or hosing into the street. Try grasscycling, leaving grass clippings on your lawn instead of using a grass catcher. The clippings act as a natural fertilizer, and because grass is mostly water, it also irrigates your lawn, conserving water.



Use Fertilizers & Pesticides Safely
Fertilizers and pesticides are often carried into the storm drain system by sprinkler runoff. Try using organic or non-toxic alternatives. If you use chemical fertilizers or pesticides, avoid applying near curbs and driveways and never apply before a rain.



Planting in the Yard
Produce less yard waste and save water by planting low maintenance, drought-tolerant trees and shrubs. Using drip irrigation, soaker hoses or micro-spray systems for flower beds and vegetation can also help reduce your water bill and prevent runoff.



Use Water Wisely
Cut your water costs and prevent runoff by controlling the amount of water and direction of sprinklers. The average lawn needs about an inch of water a week, including rainfall, or 10 to 20 minutes of watering. A half-inch per week is enough for fall and spring. Sprinklers should be on long enough to allow water to soak into the ground but not so long as to cause runoff.

To report illegal dumping or for more information on stormwater pollution prevention, call:

1 (800) CLEANUP

www.1800cleanup.org

STORMWATER Pollution Prevention

FOOD AND RESTAURANT

Food waste, grease, cleaning fluids, mop water and trash from restaurant operations often make their way into the San Bernardino County storm drain system, and do not get treated before reaching the Santa Ana River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these best management practices to prevent pollution and protect public health.



Recycle Oil & Grease

Oil and grease wastes can be recycled. Look in the yellow pages for rendering companies, or call (909) 386-8401 for disposal information. Don't pour oil or grease into sinks, floor drains or onto a parking lot or street. Keep grease bins covered and contained. Keep your grease interceptor maintained to prevent sewer overflows or backups and keep records of grease waste hauling.



Dumpster Areas

Keep dumpster lids closed and the areas around them clean. Do not fill with liquid waste or hose them out. Call your trash hauler to replace any dumpsters that are damaged or leak.



Cleaning & Maintenance

Clean equipment, floor mats, filters and garbage cans in a mop sink, wash rack or floor drain connected to the sewer through a grease trap. Don't wash them or pour wash water in a parking lot, alley, sidewalk or street. Sweep outside areas and put the debris in the garbage, instead of sweeping or hosing it into the parking lot or street.



Managing Spills

Clean food spills in loading and trash areas by using absorbent materials and sweeping then mopping, and discharge mop water into the sewer through a grease interceptor. Have spill containment and cleanup kits available. To report serious toxic spills, call 911.



Handling Toxic Chemicals

Dispose of all unwanted toxics materials like cleaners, solvents and detergents through a hazardous waste hauler. These items are not trash. For information on hazardous waste pickup, call (909) 386-8401. Use non-toxic cleaning products whenever possible.



To report illegal dumping or for more information on stormwater pollution prevention, call

1 (800) CLEANUP

www.1800cleanup.org

Prevención de Contaminación del Desagüe

RESTAURANTES

Desechos de comida, grasa, líquidos de limpieza, agua del trapiador y basura de un restaurant acaban por llegar a los drenajes del Condado de San Bernardino y terminando en el río de Santa Ana. Para prevenir esta contaminación y protejer la salud publica, siga estas practicas.



Reciclando Aceite & Grasa

El aceite y la grasa se pueden reciclar. Busca en las paginas amarillas compañías de reciclaje o llama al (909) 386-8401 para información. No los tires en los fregaderos, las coladeras, el estacionamiento o en la calle. Manten los recipientes de grasa cubiertos y guardados.



Areas de Basura

Manten el bote de basura cerrada y el área del basurero limpia. No lo llenes con desechos líquidos ni utilices la manguera para lavarlo. Llama al transportador de basura para reemplasar los botes de basura que esten dañados.



Limpiando & Mantenimiento

Limpia los tapetes de piso, los filtros y los botes de basura en el contenedor para trapeadores, lavavo, o en la coladera apropiado que llegue al drenaje. No los laves en el estacionamiento, los callejones, en la banqueta o en la calle. Barre el area de afuera y pon todo en la basura, en ves de dejarlo en la banqueta o en la calle.



Controlando Derrames

Usa métodos secos para limpiar los derrames, barriendo y usando tierra para desechos de gato, no uses la manguera para limpiar los derrames. Manten un kit de limpieza de derramamientos en tu negocio. Para reportar derrames llama al 911.



Manejando Quimicos Toxicos

Deposita los desechos toxicos como limpiadores, solvantes, detergentes a un bote para toxicos. Estos no son basura. Para mas información sobre desechos peligrosos, llama al (909) 386-8401. Usa productos de limpieza que no sean toxicos.



Para reportar actividades ilegales u obtener más información de la prevención de contaminación llamar al

1 (800) CLEANUP

www.1800cleanup.org

Prevención de Contaminación del Desagüe

TRABAJO DE CARRETERAS & PAVIMENTO

Asfalto, mezcla y materiales de excavaciones del pavimento acaban por llegar a los drenajes del Condado de San Bernardino y terminando en el Rio de Santa Ana. Esto contamina el agua que tomamos, haciendola peligorsa para la gente y la vida salvaje. Sigue estas practicas para prevenir la contaminación y protejer la salud publica.



Previniendo Erosiones
Planea las excavaciones trabajo de jardineria durante el clima seco. Desarrolla e implementa planes de embancamientos de control de sedimento y excavaciones. Cubre montones de tierra, grava y otros materiales con un plastico para protejerlos de la lluvia, aire y desagüe.



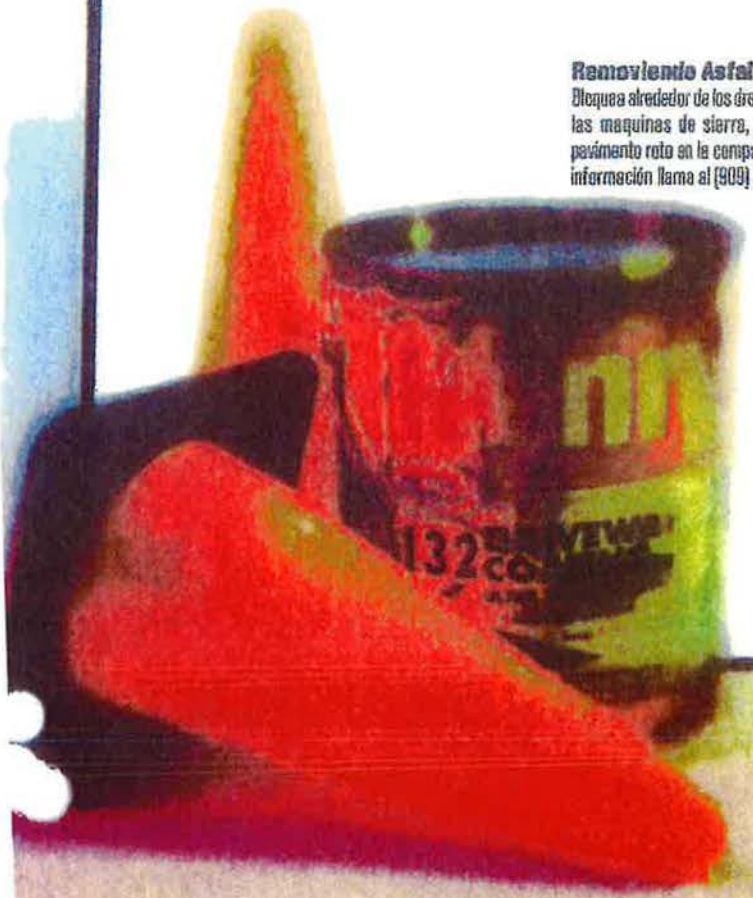
Durante Construcción
Cubre los lavados y de mantenimiento a los hoyos al aplicar selladura o mezcla. Revisa las areas de excavaciones, y evita pasarte de agua para prevenir polvadura. **Nunca** laves los materiales lienes de concreto en la calle, drenajes o en el desagüe.



Mantenimiento de Vehiculos & Herramientas
Has el mantenimiento y carga de vehiculos en el mismo lugar, lejos de la calle, las alcantarillas y los drenajes. Inspecciona los vehiculos y el equipo de cualquier goteadura y evita goteaduras de autos que no se usan vasiandolos la gasolina, aceite de transmision, frenos y liquidos del radiador.

Removiendo Asfalto & Concreto
Bloquea alrededor de los drenajes cuando estes usando las maquinas de sierra, tambien recicla todo el pavimento roto en la compañia demolidora. Para más información llama al (909) 386-8401.





Limpiando & Previniendo Derrames
Mantente siempre preparado para cualquier derrame, usa siempre las herramientas de seguridad al igual que materiales como, tierra para desechos de gato o aserrin Barre los derrames en ves de lavarlos con la manguera. Previene los derremes de las maquinas usando enbudos o colocanto garras para absorver cualquier liquido. Para reportar derrames llame al 911.

Para reportar actividades ilegales u obtener más información de la prevención de contaminación llamar al:

1 (800) CLEANUP

www.1800cleanup.org

Prevención de Contaminación del Desagüe

PINTURA

Pintura, solventes y otros quimicos peligrosos que se usan al pintar acaban por llegar a los drenajes del Condado de San Bernardino y terminando en el Rio de Santa Ana. Esto contamina el agua que tomamos, haciendola peligorsa para la gente y la vida salvaje. Sigue estas practicas para prevenir la contaminación y protejer la salud publica.



Pinturas de Agua
Usa pinturas de agua cuando sea posible. Son menos toxicas que las pinturas de aceite y mas faciles para limpiar. Busca los productos "latex" or "cleans with water".



Removiendo Pintura
Residuos de pintura, polvo de pintura y pinturas que contienen plomo son peligrosas. Barrelos en vez de lavarlos con la manguera y desechalos en vallugar de colección de desechos peligrosos. Llama al (800) CLEANUP para un lugar en tu area.



Limpiando Pintura
Nunca laves las brochas ni los contenedores de pintura en la calle, coladeras o desagües. Las de pintura de agua limpielas en el labavo y las de pintura de aceite con thiner, y vuelvelas a guardar en un frasco, para un uso futuro. Envuelve los residuos de pintura en un periodico y tiralos a la basura.



Removiendo Pintura en Exteriores
Al despintar o lavar exteriores de los edificios con agua de alta presión bloquea los drenajes cercanos y desvia el desagüe. Pregunta las autoridades si puedes descharla en las alcantarillas.



Reciclando Pintura
Recicla la pintura que sobra en un lugar de colección de materiales peligrosos, guardala para re-toques or regalala a alguien que la use, como a un teatro, a la escuela, una oraganizacion de la ciudad o de la comunidad.

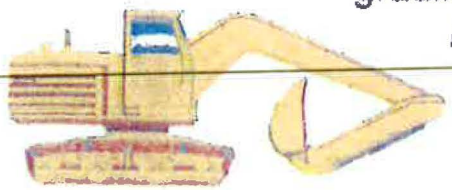
Para reportar actividades ilegales u obtener una información de la prevención de contaminación llamar al:

1 (800) CLEANUP

www.1800cleanup.org

EXCAVATION & GRADING OPERATIONS

Sediment, cement wash, asphalt, and motor oil from soil excavation and grading operations often make their way into the San Bernardino County storm drain system and DO NOT GET TREATED before reaching the Santa Ana River. These wastes pollute our drinking water, and make our waters unhealthy and unsafe for people and wildlife.



Follow these practices to help prevent stormwater pollution...

Erosion Prevention...

Reduce erosion by avoiding excavation or grading activities during wet weather, and by planting temporary vegetation on slopes where construction is not immediately planned. Plant permanent vegetation as soon as possible, once excavation and grading activities are complete. Diversion dikes can be constructed to channel runoff around the site; channels can be lined with grass or roughened pavement to reduce runoff velocity. For information on erosion control, call 799-7407.



General Business Practices...

Cover exposed piles of soil and other construction materials with plastic sheeting to prevent contact with rain water.

Recycling...



Recycle broken asphalt, concrete, wood, and cleared vegetation whenever possible. Unrecyclable materials must be taken to an appropriate landfill or disposed of as hazardous waste. For recycling or disposal information, call 386-8401.

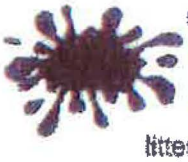
Equipment Maintenance...



Maintain all vehicles and equipment by inspecting them frequently for leaks. Also, conduct maintenance and refueling at one location -- away from storm drains, and perform major equipment repairs and washings off site. Finally, use gravel approaches where truck traffic is frequent to reduce soil compaction and limit the tracking of sediment into the streets.

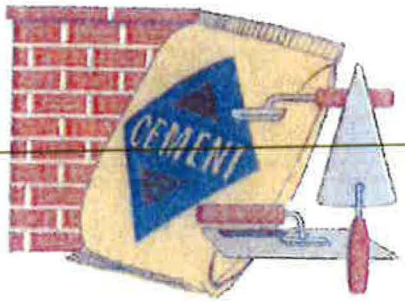
Spills...

Avoid accidental spills by using a drip pan and funnel when draining or pouring fluids. Be ready for unexpected spills by preparing and using easy to find spill containment and cleanup kits. Kits should include safety equipment and cleanup materials such as kitty litter, sawdust or commeal. Furthermore, prevent leaks from stored vehicles by draining gas, hydraulic oil, and transmission, brake & radiator fluid. REMEMBER: Never hose down dirty surfaces. To report serious spills, call 1-800-33-TOXIC.



For more information, call your city's stormwater representative

FRESH CONCRETE & MORTAR APPLICATION



Cement, cement wash, gravel, asphalt, solvents, and motor oil from fresh concrete and mortar activities often make their way into the San Bernardino County storm drain system and DO NOT GET TREATED before reaching the Santa Ana River. These wastes pollute our drinking water, and make our waters unhealthy and unsafe for people and wildlife.

Follow these practices to help prevent stormwater pollution...

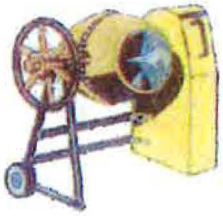
General Business Practices...

Schedule excavation and grading work during dry weather, and in case it rains, prevent materials from contacting stormwater by storing them under cover. Also, secure open bags of cement to keep wind-blown cement powder away from streets, gutters and storm drains.



During Construction...

Prevent mortar and cement from entering the storm drains by placing erosion controls (i.e., berms or temporary vegetation) down-slope to capture runoff. When breaking up paving, be sure to pick up all pieces and recycle them at a crushing company; small amounts of excess dry concrete, grout and mortar can be disposed of in the trash. Setup small mixers on tarps or heavy drop cloths to allow for easy cleanup of debris. REMEMBER: Never bury waste material -- recycle or dispose of it as hazardous waste. Call 386-8401 for recycling and disposal information.



Handling Materials & Wastes...

Minimize wastes when ordering materials by ordering only the amounts needed to complete the job. Whenever possible, use recycled or recyclable materials. Recycle broken asphalt, concrete, wood, and cleared vegetation. Unrecyclable materials must be taken to an appropriate landfill or disposed of as hazardous waste. For recycling and disposal information, call 386-8401.



Cleaning up...

When cleaning up after driveway or sidewalk construction, wash concrete dust onto designated dirt areas, not down the driveway or into the street or storm drain. Also, wash out concrete mixers and equipment only in specified wash-out areas, where the water flows into containment ponds. Cement washwater can be recycled by pumping it back into cement mixers for reuse. REMEMBER: Never dispose of cement washout into driveways, streets, gutters, storm drains or drainage ditches.



For more information, call your city's stormwater representative

GENERAL CONSTRUCTION



Soil, cement wash, asphalt and motor oil from construction sites often make their way into the San Bernardino County storm drain system and DO NOT GET TREATED before reaching the Santa Ana River. These wastes pollute our drinking water, and make our waters unhealthy and unsafe for people and wildlife.

Follow these practices to help prevent stormwater pollution...

General Business Practices...

Cover exposed piles of soil and other construction materials with plastic sheeting to prevent contact with rain water.

Erosion Prevention...

Reduce erosion by avoiding excavation or grading activities during wet weather, and by planting temporary vegetation on slopes where construction is not immediately planned.



Plant permanent vegetation as soon as possible, once excavation and grading activities are complete. Diversion dikes can be constructed to channel runoff around the site; channels can be lined with grass or roughened pavement to reduce runoff velocity. For information on erosion control, call 799-7407.

Equipment Maintenance...

Maintain all vehicles and equipment by inspecting them frequently for leaks. Also, conduct maintenance and refueling at one location -- away from storm drains, and perform major equipment repairs and washings off site.

Handling Materials & Waste...

Minimize wastes when ordering materials by ordering only the amounts needed to complete the job. Whenever possible, use recycled or recyclable materials. Recycle broken asphalt, concrete, wood, and cleared vegetation. Unrecyclable materials must be taken to an appropriate landfill or disposed of as hazardous waste. For recycling and disposal information, call 386-8401.

Spills...

Avoid accidental spills by using a drip pan and funnel when draining or pouring fluids. Be ready for unexpected spills by preparing and using easy to find spill containment and cleanup kits. Kits should include safety equipment and cleanup materials such as kitty litter, sawdust or commeal. Furthermore, prevent leaks from stored vehicles by draining gas, hydraulic oil, and transmission, brake & radiator fluid. REMEMBER: Never hose down dirty surfaces; instead, sweep regularly. To report serious spills, call 1-800-33-TOXIC.



For more information, call your city's stormwater representative

HOME & GARDEN



Yard waste and household toxics such as paints, solvents, and pesticides often make their way into the San Bernardino County storm drain system and DO NOT GET TREATED before reaching the Santa Ana River. These wastes pollute our drinking water and make our waters unhealthy and unsafe for people and wildlife.

Follow these practices to help prevent stormwater pollution...

In Your Home...

Household products such as paints, paint thinners, drain openers, motor oil, wood polishes, insecticides & herbicides, oven cleaners, and many other general cleaners frequently get dumped on the ground, or into a gutter, street or storm drain. Instead of polluting our stormwaters, take these items to a household hazardous waste collection facility. Call 1-800-OILY-CAT for a facility in your area.



Fertilizers and Pesticides...

Fertilizers and pesticides are often carried into our storm drains by sprinkler runoff. To minimize stormwater pollution, use organic or non-toxic pesticides and fertilizers as directed, and keep them away from ditches, gutters and storm drains. Store them in a covered area, off the ground, to prevent contact with water. For additional gardening questions, call the San Bernardino Master Gardeners at 387-2182.



Trimmin' the Garden...

Decaying organic materials that enter our storm drains, such as grass, leaves, yard clippings, and pet waste, will use up oxygen in nearby streams, stressing aquatic life. Prevent stormwater pollution by not blowing, sweeping, raking or hosing yard waste into the street, gutter, or storm drain. Alternatively, leave grass clippings on your lawn after mowing, or compost your clippings and yard waste. Pet waste should not be composted, but rather disposed of in the trash to prevent the potential spread of diseases.



Planting In The Yard

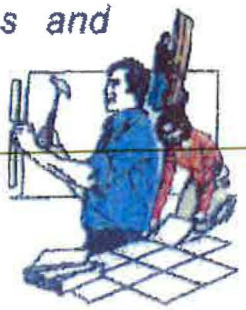
Produce less yard waste and save water by planting low maintenance trees and shrubs. Also, conserve water and minimize unwanted runoff by using drip irrigation, soaker hoses, or micro-spray systems to water vegetation.



For more information, call your city's stormwater representative

HOME REPAIR & REMODELING

Paints, solvents, adhesives, dusts, sediments, pesticides and household toxics commonly associated with home repair and remodeling activities often make their way into the San Bernardino County storm drain system and DO NOT GET TREATED before reaching the Santa Ana River. These wastes pollute our drinking water, and make our waters unhealthy and unsafe for people and wildlife.



Follow these practices to help prevent stormwater pollution...

Household Hazardous Wastes...

Common household cleaners, paint products, and wallpaper & tile adhesives contain toxic substances. Dispose of these products properly. REMEMBER: Toxic wastes should never enter the storm drain system. For disposal information, call 1-800-OILY-CAT.



Construction...

Keep all construction debris away from the street, gutter and storm drain, and if possible, schedule grading and excavation projects for dry weather. Cover excavated material and stockpiles of asphalt, sand, etc. with plastic tarps, and prevent erosion by planting fast-growing annual and perennial grasses, which will shield and bind the soil.

Landscape & Gardening...

Use fertilizers and pesticides as directed. Keep them away from ditches, gutters and storm drains, and store them in a covered area to prevent contact with rain water. Also, minimize runoff and conserve water by using drip irrigation, soaker hoses, or micro-spray systems. REMEMBER: Do not deposit leaves into the street, gutter, or storm drain.



Painting...

CLEANUP... Avoid cleaning brushes or rinsing paint containers into a street, gutter, or storm drain. For water-based paints, "brush out" as much paint as possible, and rinse in the sink. For oil-based paints, "brush out" as much paint as possible, clean with thinner, and then filter and reuse thinner or solvent.



REMOVAL... Paint stripping residue, chips & dust from marine paints, and paints containing lead or tributyl tin are hazardous wastes. Sweep them up and call 1-800-OILY-CAT for disposal information.

RECYCLING... Recycle or reuse leftover paint by using it for touch-ups, or by giving it to someone who can us it, such as a theatre group, school, city or other community organization. If you're unable to give it away, contact 1-800-OILY-CAT for disposal information.

Concrete & Masonry...

Store bags of cement and plaster away from gutters and storm drains, and under cover, protected from rainfall, runoff and wind. REMEMBER: Never dispose of cement washout or concrete dust onto driveways, streets, gutters or storm drains.

For more information, call your city's stormwater representative



PAINTING

Paints, solvents, adhesives, and toxic chemicals from painting operations often make their way into the San Bernardino County storm drain system and DO NOT GET TREATED before reaching the Santa Ana River. These wastes pollute our drinking water, and make our waters unhealthy and unsafe for people and wildlife.

Follow these practices to help prevent stormwater pollution...

General Business Practices...

Keep all paint products and wastes away from the street, gutter, and storm drains. Reuse paint thinner by setting used thinner aside in a closed, labeled jar to settle out paint particles, and then pouring off the clear liquid for future use. Wrap dried paint residue in newspaper and dispose of it in the trash.

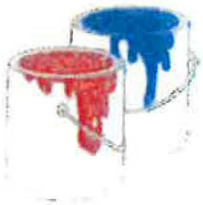
Water-Based Paints...

Purchase water-based paints whenever possible. Look for products labeled "latex" or "clean up with water."

Recycle or Reuse Paints...

Recycle/reuse leftover paint by using it for touch-ups, or by giving it to someone who can use it, such as a theatre group, school, city or other community organization. If you're unable to give it away, contact 386-8401 for information on hazardous waste pick-up.

Paint Cleanup...



Avoid cleaning brushes and rinsing paint containers in a street, gutter, or storm drain. For water-based paints, "brush out" as much paint as possible and and rinse in the sink. For oil-based paints, "brush out" as much paint as possible, clean with thinner, and then filter and reuse thinner or solvent.

Paint Removal...

Chemical paint stripping residue, chips & dust from marine paints, and paints containing lead or tributyl tin are hazardous wastes. For disposal information, call 386-8401. Also, when stripping or cleaning building exteriors with high-pressure water, block storm drains and divert the washwater onto a designated dirt area. Check with your local wastewater treatment authority to find out if you can collect building cleaning water and discharge it to the sewer.



For more information, call your city's stormwater representative

RESTAURANTS



Food waste, grease, cleaning solvents & chemicals, mop water and trash from restaurant operations often make their way into the San Bernardino County storm drain system and DO NOT GET TREATED before reaching the Santa Ana River. These wastes pollute our drinking water, and make our waters unhealthy and unsafe for people and wildlife.

Follow these practices to help prevent stormwater pollution...

Cleanin' It Right...



Pour mop and wash water into the mop sink or down floor drains, not into gutters, alleys, or parking lots. Wash greasy equipment only in designated wash areas properly connected to the sewer system with an appropriate oil/water separator, and avoid washing kitchen mats, garbage containers, and other items anywhere that wastewater can flow into the storm drain system.

What About Toxics...



General cleaners, floor cleaners, solvents, and detergents often contain toxic substances. Read labels carefully and store and dispose of these products properly. REMEMBER: Toxic wastes should never enter the storm drain system. To report toxic spills call 1-800-33-TOXIC. For information on hazardous waste pick-up call 386-8401.

Water - Friendly Products...

Whenever possible, purchase water-based cleaning products. Look for products labeled "non-toxic," "non-petroleum based," "ammonia-free," "phosphate-free," "dye and perfume-free," or "readily biodegradable."

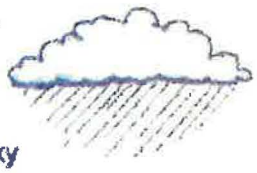
Recycle That Waste...



Oil and grease wastes can be recycled. REMEMBER: Never dump them down storm drains or onto parking lots. Look in the yellow pages for rendering companies, or call 386-8401 for disposal information.

How 'Bout That Dumpster...

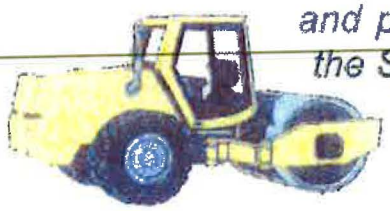
Rain can wash oil, grease, and other substances often found in dumpsters into the storm drain system. Prevent polluted runoff by covering all dumpsters and replacing leaky ones, and ensuring that the area surrounding dumpsters remains free of litter.



For more information, call your city's stormwater representative

ROADWORK & PAVING

Asphalt, saw-cut slurry, and excavated materials from Road paving, surfacing and pavement removal operations often make their way into the San Bernardino County storm drain system and DO NOT GET TREATED before reaching the Santa Ana River. These wastes pollute our drinking water, and make our waters unhealthy and unsafe for people and wildlife.



Follow these practices to help prevent stormwater pollution...

During Construction...

Cover catch basins and maintenance holes when applying seal coat, slurry seal, fog seal, etc. Use check dams, ditches or berms around excavations, and avoid over-application of water for dust control. REMEMBER: Never wash excess materials from exposed aggregate or concrete into a street, gutter, or storm drain; collect and recycle them.

Asphalt & Concrete Removal...



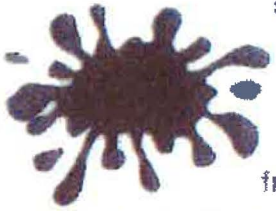
Barricade storm drain openings during saw-cutting, and after breaking up paving, be sure to remove all chunks and pieces and recycle them at a crushing company. For recycling information, call 386-8401.

Equipment Maintenance...

Maintain all vehicles and equipment by inspecting them frequently for leaks. Also, conduct maintenance and refueling at one location -- away from storm drains, and perform major equipment repairs and washings off site.

Spills...

Be ready for unexpected spills by preparing and using spill containment and cleanup kits. Kits should include safety equipment and cleanup materials such as kitty litter, sawdust or cornmeal. Prevent drips from paver machines by catching fluids with drip pans or by placing absorbent material (cloth, rags, etc....) underneath the machines when they're not in use. To report serious spills, call 1-800-33-TOXIC.



General Business Practices...

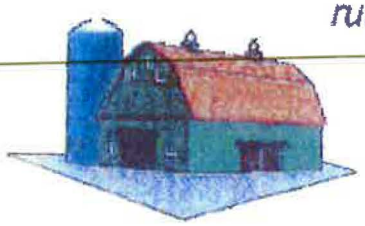
Schedule excavation and grading work during dry weather, and develop and implement erosion and sediment control plans for excavated embankments. In case it rains, cover exposed piles of soil and other construction materials with plastic sheeting to prevent contact with rain water.



For more information, call your city's stormwater representative

RURAL HOMES

Pesticides, fertilizers, septic system overflows, soil, and animal manure from rural homes often make their way into the San Bernardino County storm drain system and DO NOT GET TREATED before reaching the Santa Ana River. These wastes pollute our drinking water, and make our waters unhealthy and unsafe for people and wildlife.



Follow these practices to help prevent stormwater pollution...

Protecting Your Well...

Since old, uncapped and abandoned wells can serve as direct conduits to our groundwater, it s important to maintain these areas. Keep all livestock confinement areas away from wells, and keep septic drain fields and chemical storage areas down slope from wells. Install anti-siphoning devices between your well and water pipes to prevent backflow of pollutants and drinking water contamination. REMEMBER: Never dispose of anything in wells.



Fertilizers and Pesticides...

Avoid buying and mixing more pesticide than you need, and never apply more than the recommended amount. Consider spot treatments, rather than spraying pesticides everywhere. REMEMBER: Don t dispose of excess chemicals by dumping them on the ground, pouring them down a well, or draining them into ditches, sewers, drains or septic systems. Call 1-800-OILY-CAT for disposal information. Finally, store chemicals in a covered area, with an impermeable lined floor to prevent contact with rainwater.



That Rural Landscape...

Reduce soil erosion by covering parking areas with gravel, and by covering other exposed soils with vegetation. Gravel and vegetation will not only improve the appearance of your home, but will also assist in filtering out pollutants from water. For information on reducing erosion, call 799-7407.

Autos & Other Equipment...

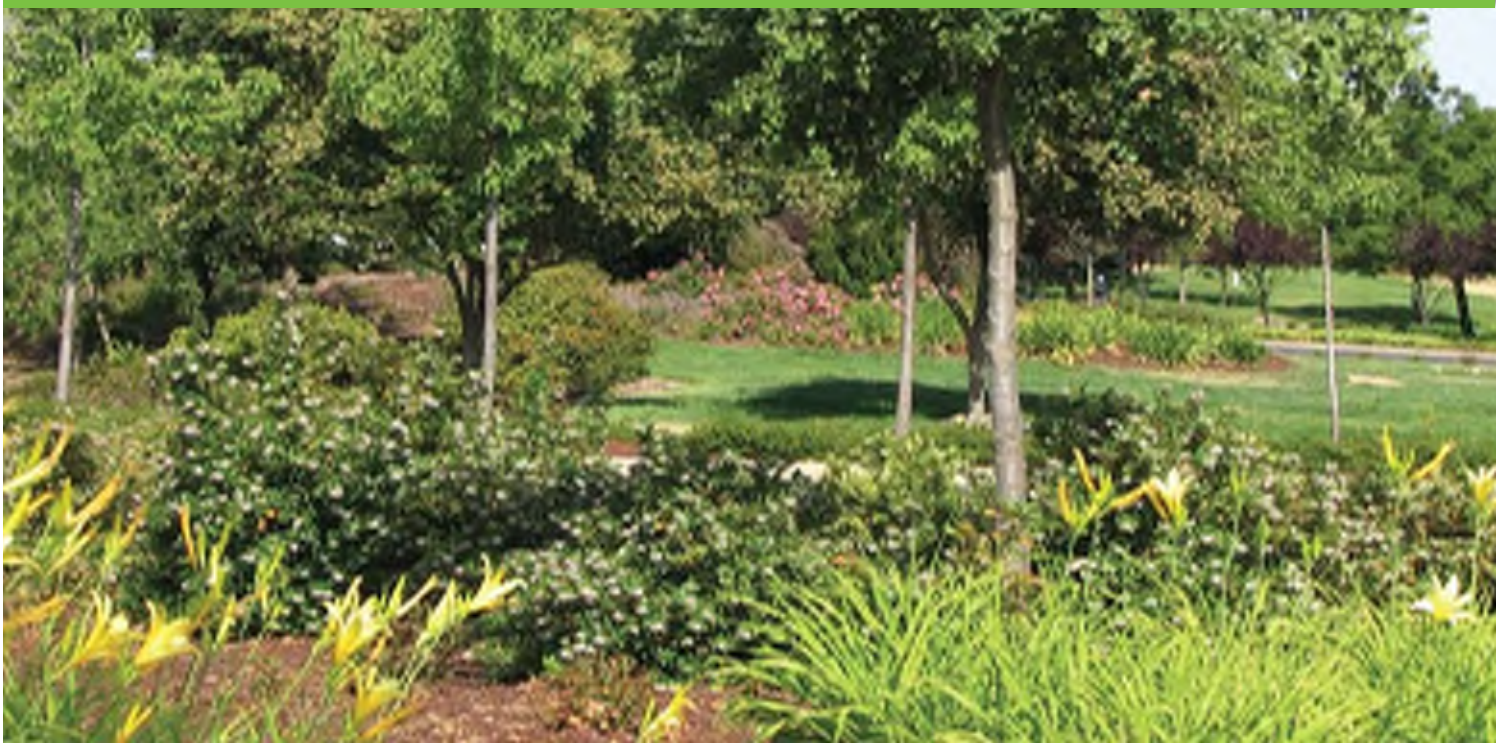
Repair vehicles and other equipment away from wells, ditches and drains. Avoid accidental spills by using a drip pan and funnel when draining or pouring fluids. Prevent leaks from stored vehicles by draining gas, hydraulic oil, and transmission, brake & radiator fluid. For recycling information, call 1-800-OILY-CAT



Septic Systems

Septic systems should never be piped into a road ditch, storm sewer, stream or farm drain tile system. Also, avoid washing or flushing grease, alcohol, or strong chemicals into your septic system; these subetances kill the bacteria needed to break down wastes.

For more information, call your city s stormwater representative



The Updated Model Water Efficient Landscape Ordinance

CALIFORNIA DEPARTMENT OF WATER RESOURCES

Landscapes are essential to the quality of life in California. They provide areas for recreation, enhance the environment, clean the air and water, prevent erosion, offer fire protection and replace ecosystems lost to development.

California's economic prosperity and environmental quality are dependant on an adequate supply of water for beneficial uses. In California, about half of the urban water used is for landscape irrigation. Ensuring **efficient landscapes** in new developments and reducing water waste in existing landscapes are the most cost-effective ways to stretch our limited water supplies and ensure that we continue to have sufficient water for California to prosper.





The Water Conservation in Landscaping Act of 2006 (Assembly Bill 1881, Laird) requires cities, counties, and charter cities and charter counties, to adopt landscape water conservation ordinances by January 1, 2010. Pursuant to this law, the Department of Water Resources (DWR) has prepared a Model Water Efficient Landscape Ordinance (Model Ordinance) for use by local agencies. The Model Ordinance was approved by the Office of Administrative Law on September 10, 2009. The Model Ordinance became effective on September 10.

All local agencies must adopt a water efficient landscape ordinance by **January 1, 2010**. The local agencies may adopt the state Model Ordinance, or craft an ordinance to fit local conditions. In addition, several local agencies may collaborate and craft a region-wide ordinance. In any case, the adopted ordinance must be as effective as the Model Ordinance in regard to water conservation.

For more information, please visit our web site at
http://www.water.ca.gov/wateruseefficiency/landscapeordinance/

DWR October 2009



Important points to consider...

Water purveyors have an important role.

The enabling statute was directed to local agencies that make land use decisions and approve land development. Active participation by water purveyors can make the implementation, enforcement and follow-up actions of an ordinance more effective.

Most new and rehabilitated landscapes are subject to a water efficient landscape ordinance. Public landscapes and private development projects including developer installed single family and multi-family residential landscapes with at least 2500 sq. ft. of landscape area are subject to the Model Ordinance .

Homeowner provided landscaping at single family and multi-family homes are subject to the Model Ordinance if the landscape area is at least 5000 sq. ft

Existing landscapes are also subject to the Model Ordinance.

Water waste is common in landscapes that are poorly designed or not well maintained. Water waste (from runoff, overspray, low head drainage, leaks and excessive amounts of applied irrigation water in landscapes is prohibited by Section 2, Article X of the California Constitution.

Any landscape installed prior to January 1, 2010, that is at least one acre in size may be subject to irrigation audits, irrigation surveys or water use analysis programs for evaluating irrigation system performance and adherence to the Maximum Applied Water Allowance as defined in the 1992 Model Ordinance with an Evapotranspiration Adjustment Factor (ETAF) of 0.8. Local agencies and water purveyors (designated by the local agency) may institute these or other programs to increase efficiency in existing landscapes.

All new landscapes will be assigned a water budget.

The water budget approach is a provision in the statute that ensures a landscape is allowed sufficient water. There are two water budgets in the Model Ordinance; the Maximum Applied Water Allowance (MAWA) and the Estimated Total Water Use (ETWU).

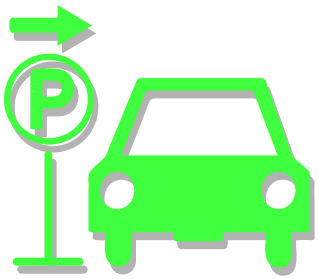
The MAWA, is the water budget used for compliance and is an annual water allowance based on landscape area, local evapotranspiration and ETAF of 0.7. The ETWU is an annual water use estimation for design purposes and is based on the water needs of the plants actually chosen for a given landscape. The ETWU may not exceed the MAWA.

Water efficient landscapes offer multiple benefits.

Water efficient landscapes will stretch our limited water supplies. Other benefits include reduced irrigation runoff, reduced pollution of waterways, less property damage, less green waste, increased drought resistance and a smaller carbon footprint.

The Department of Water Resources will offer technical assistance.

The Department plans to offer a series of workshops, publications and other assistance for successful adoption and implementation of the Model Ordinance or local water efficient landscape ordinances. Information regarding these resources may be found on the DWR website: **http://www.water.ca.gov/wateruseefficiency/landscapeordinance/** Questions on the Model Ordinance may be sent by e-mail to DWR staff at: **mweo@water.ca.gov.**



R-3
AUTOMOBILE PARKING

Parked automobiles may contribute pollutants to the storm drain because poorly maintained vehicles may leak fluids containing hydrocarbons, metals, and other pollutants. In addition, heavily soiled automobiles may drop clods of dirt onto the parking surface, contributing to the sediment load when runoff is present. During rain events, or wash-down activities, the pollutants may be carried into the storm drain system. The pollution prevention activities outlined in this fact sheets are used to prevent the discharge of pollutants to the storm drain system.

The activities outlined in this fact sheet target the following pollutants:	
Sediment	x
Nutrients	
Bacteria	
Foaming Agents	
Metals	X
Hydrocarbons	X
Hazardous Materials	x
Pesticides and Herbicides	
Other	

Think before parking your car. Remember - The ocean starts at your front door.

Required Activities

- If required, vehicles have to be removed from the street during designated street sweeping/cleaning times.
- If the automobile is leaking, place a pan or similar collection device under the automobile, until such time as the leak may be repaired.
- Use dry cleaning methods to remove any materials deposited by vehicles (e.g. adsorbents for fluid leaks, sweeping for soil clod deposits).

Recommended Activities

- Park automobiles over permeable surfaces (e.g. gravel, or porous cement).
- Limit vehicle parking to covered areas.
- Perform routine maintenance to minimize fluid leaks, and maximize fuel efficiency.

For additional information contact:
County of Orange, OC Watershed
Main: (714) 955-0600/ 24hr Water Pollution Discharge Hotline 1-877-89-SPILL
or visit our website at: www.ocwatersheds.com



R-8
WATER CONSERVATION

The activities outlined in this fact sheet target the following pollutants:	
Sediment	x
Nutrients	x
Bacteria	x
Foaming Agents	x
Metals	x
Hydrocarbons	x
Hazardous Materials	x
Pesticides and Herbicides	x
Other	x

Excessive irrigation and/or the overuse of water is often the most significant factor in transporting pollutants to the storm drain system. Pollutants from a wide variety of sources including automobile repair and maintenance, automobile washing, automobile parking, home and garden care activities and pet care may dissolve in the water and be transported to the storm drain. In addition, particles and materials coated with fertilizers and pesticides may be suspended in the flow and be transported to the storm drain.

Hosing off outside areas to wash them down not only consumes large quantities of water, but also transports any pollutants, sediments, and waste to the storm drain system. The pollution prevention activities outlined in this fact sheets are used to prevent the discharge of pollutants to the storm drain system.

Think before using water. Remember - The ocean starts at your front door.

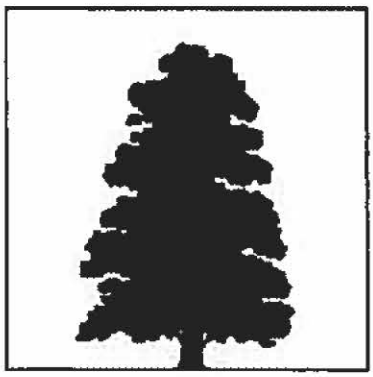
Required Activities

- Irrigation systems must be properly adjusted to reflect seasonal water needs.
- Do not hose off outside surfaces to clean, sweep with a broom instead.

Recommended Activities

- Fix any leaking faucets and eliminate unnecessary water sources.
- Use xeroscaping and drought tolerant landscaping to reduce the watering needs.
- Do not over watering lawns or gardens. Over watering wastes water and promotes diseases.
- Use a bucket to re-soak sponges/rags while washing automobiles and other items outdoors. Use hose only for rinsing.
- Wash automobiles at a commercial car wash employing water recycling.

For additional information contact:
County of Orange, OC Watershed
Main: (714) 955-0600/ 24hr Water Pollution Discharge Hotline 1-877-89-SPILL
or visit our website at: www.ocwatersheds.com



FP-2

LANDSCAPE MAINTENANCE

The model procedures described below focus on minimizing the discharge of pesticides and fertilizers, landscape waste, trash, debris, and other pollutants to the storm drain system and receiving waters. Landscape maintenance practices may involve one or more of the following activities:

1. **Mowing, Trimming/Weeding, and Planting**
2. **Irrigation**
3. **Fertilizer and Pesticide Management**
4. **Managing Landscape Waste**
5. **Erosion Control**

POLLUTION PREVENTION:

Pollution prevention measures have been considered and incorporated in the model procedures. Implementation of these measures may be more effective and reduce or eliminate the need to implement other more complicated or costly procedures. Possible pollution prevention measures for landscape maintenance include:

- Implement an integrated pest management (IPM) program. IPM is a sustainable approach to managing pests by combining biological, cultural, physical, and chemical tools. Refer to Appendix D, Fertilizer and Pesticide Management Guidance for further details.
- Choose low water using flowers, trees, shrubs, and groundcover.
- Appropriate maintenance (i.e. properly timed fertilizing, weeding, pest control, and pruning) will preserve the landscapes water efficiency.
- Once per year, educate municipal staff on pollution prevention measures.

MODEL PROCEDURES:

1. Mowing, Trimming/Weeding, and Planting

Mowing, Trimming/Weeding

✓ Whenever possible, use mechanical methods of vegetation removal rather than applying herbicides. Use hand weeding where practical.

- ✓ When conducting mechanical or manual weed control, avoid loosening the soil, which could erode into streams or storm drains.
- ✓ Use coarse textured mulches or geotextiles to suppress weed growth and reduce the use of herbicides.
- ✓ Do not blow or rake leaves, etc. into the street or place yard waste in gutters or on dirt shoulders. Sweep up any leaves, litter or residue in gutters or on street.
- ✓ Collect lawn and garden clippings, pruning waste, tree trimmings, and weeds. Chip if necessary, and compost or dispose of at a landfill (see waste management section of this procedure sheet).
- ✓ Place temporarily stockpiled material away from watercourses, and berm or cover stockpiles to prevent material releases to storm drains.

Planting

- ✓ Where feasible, retain and/or plant selected native vegetation whose features are determined to be beneficial. Native vegetation usually requires less maintenance (e.g., irrigation, fertilizer) than planting ornamental vegetation.
- ✓ When planting or replanting consider using low water use groundcovers.

OPTIONAL:

- Careful soil mixing and layering techniques using a topsoil mix or composted organic material can be used as an effective measure to reduce herbicide use and watering.

2. Irrigation

- ✓ Utilize water delivery rates that do not exceed the infiltration rate of the soil.
- ✓ Use timers appropriately or a drip system to prevent runoff and then only irrigate as much as is needed.
- ✓ Inspect irrigation system periodically to ensure that the right amount of water is being applied and that excessive runoff is not occurring. Minimize excess watering, and repair leaks in the irrigation system as soon as they are observed.
- ✓ Where practical, use automatic timers to minimize runoff.
- ✓ Use popup sprinkler heads in areas with a lot of activity or where there is a chance the pipes may be broken. Consider the use of mechanisms that reduce water flow to sprinkler heads if broken.
- ✓ If re-claimed water is used for irrigation, ensure that there is no runoff from the landscaped area(s).
- ✓ If bailing of muddy water is required (e.g. when repairing a water line leak), do not put it in the storm drain; pour over landscaped areas.

3. Fertilizer and Pesticide Management

Usage

- ✓ Utilize a comprehensive management system that incorporates integrated pest management techniques.
- ✓ Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers and pesticides and training of applicators and pest control advisors.
- ✓ Educate and train employees on use of pesticides and in pesticide application techniques to prevent pollution.
- ✓ Pesticide application must be under the supervision of a California qualified pesticide applicator.
- ✓ When applicable use the least toxic pesticides that will do the job. Avoid use of copper-based pesticides if possible.
- ✓ Do not mix or prepare pesticides or fertilizers for application near storm drains.
- ✓ Prepare the minimum amount of pesticide needed for the job and use the lowest rate that will effectively control the pest.
- ✓ Employ techniques to minimize off-target application (e.g. spray drift) of pesticides, including consideration of alternative application techniques.
- ✓ Calibrate fertilizer and pesticide application equipment to avoid excessive application.
- ✓ Periodically test soils for determining proper fertilizer use.
- ✓ Sweep pavement and sidewalk if fertilizer is spilled on these surfaces before applying irrigation water.
- ✓ Inspect pesticide/fertilizer equipment and transportation vehicles daily.
- ✓ Refer to Appendix D for further guidance on Fertilizer and Pesticide management

OPTIONAL:

- Work fertilizers into the soil rather than dumping or broadcasting them onto the surface.
- Use beneficial insects where possible to control pests (green lacewings, ladybugs, praying mantis, ground beetles, parasitic nematodes, trichogramma wasps, seedhead weevils, and spiders prey on detrimental pest species).
- Use slow release fertilizers whenever possible to minimize leaching.

Scheduling

- ✓ Do not use pesticides if rain is expected within 24 hours.
- ✓ Apply pesticides only when wind speeds are low (less than 5 mph).

Disposal

- ✓ Purchase only the amount of pesticide that you can reasonably use in a given time period (month or year depending on the product).
- ✓ Triple rinse containers, and use rinse water as product. Dispose of unused pesticide as hazardous waste.
- ✓ Dispose of empty pesticide containers according to the instructions on the container label.

4. Managing Landscape Waste

- ✓ Compost leaves, sticks, or other collected vegetation or dispose of at a permitted landfill. Do not dispose of collected vegetation into waterways or storm drainage systems.

Also see Waste Handling and Disposal procedure sheet

- ✓ Place temporarily stockpiled material away from watercourses and storm drain inlets, and berm or cover stockpiles to prevent material releases to the storm drain system.
- ✓ Reduce the use of high nitrogen fertilizers that produce excess growth requiring more frequent mowing or trimming.
- ✓ Inspection of drainage facilities should be conducted to detect illegal dumping of clippings/cuttings in or near these facilities. Materials found should be picked up and properly disposed of.
- ✓ Landscape wastes in and around storm drain inlets should be avoided by either using bagging equipment or by manually picking up the material.

5. Erosion Control

- ✓ Maintain vegetative cover on medians and embankments to prevent soil erosion. Apply mulch or leave clippings to serve as additional cover for soil stabilization and to reduce the velocity of storm water runoff.

Also see Waste Handling and Disposal procedure sheet

- ✓ Minimize the use of disking as a means of vegetation management because the practice may result in erodable barren soil.
- ✓ Confine excavated materials to pervious surfaces away from storm drain inlets, sidewalks, pavement, and ditches. Material must be covered if rain is expected.

LIMITATIONS:

Alternative pest/weed controls may not be available, suitable, or effective in every case.

REFERENCES:

California Storm Water Best Management Practice Handbooks. Industrial/Commercial Best Management Practice Handbook. Prepared by Camp Dresser & McKee, Larry Walker Associates, Uribe and Associates, Resources Planning Associates for Stormwater Quality Task Force. July 1993.

County of Orange. 2000. Public Facilities and Resources Department, Management Guidelines for the Use of Fertilizers and Pesticides. September.

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Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality Control Board. July. 1998.

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IC7. LANDSCAPE MAINTENANCE

Best Management Practices (BMPs)

A BMP is a technique, measure or structural control that is used for a given set of conditions to improve the quality of the stormwater runoff in a cost effective manner[1]. The minimum required BMPs for this activity are outlined in the box to the right. Implementation of pollution prevention/good housekeeping measures may reduce or eliminate the need to implement other more costly or complicated procedures. Proper employee training is key to the success of BMP implementation.

MINIMUM BEST MANAGEMENT PRACTICES

Pollution Prevention/Good Housekeeping

- Properly store and dispose of gardening wastes.
- Use mulch or other erosion control measures on exposed soils.
- Properly manage irrigation and runoff.
- Properly store and dispose of chemicals.
- Properly manage pesticide and herbicide use.
- Properly manage fertilizer use.

Stencil storm drains

Training

- Train employees on these BMPs, storm water discharge prohibitions, and wastewater discharge requirements.
- Provide on-going employee training in pollution prevention.

The BMPs outlined in this fact sheet target the following pollutants:

Targeted Constituents	
Sediment	x
Nutrients	x
Floatable Materials	x
Metals	
Bacteria	x
Oil & Grease	
Organics & Toxicants	
Pesticides	x
Oxygen Demanding	x

Provided below are specific procedures associated with each of the minimum BMPs along with procedures for additional BMPs that should be considered if this activity takes place at a facility located near a sensitive waterbody. In order to meet the requirements for medium and high priority facilities, the owners/operators must select, install and maintain appropriate BMPs on site. Since the selection of the appropriate BMPs is a site-specific process, the types and numbers of additional BMPs will vary for each facility.

1. **Take steps to reduce landscape maintenance requirements.**
   - Where feasible, retain and/or plant native vegetation with features that are determined to be beneficial. Native vegetation usually requires less maintenance than planting new vegetation.
   - When planting or replanting consider using low water use flowers, trees, shrubs, and groundcovers.
   - Consider alternative landscaping techniques such as naturescaping and xeriscaping.
2. **Properly store and dispose of gardening wastes.**
   - Dispose of grass clippings, leaves, sticks, or other collected vegetation as garbage at a permitted landfill or by composting.
   - Do not dispose of gardening wastes in streets, waterways, or storm drainage systems.
   - Place temporarily stockpiled material away from watercourses and storm drain inlets, and berm and/or cover.
3. **Use mulch or other erosion control measures on exposed soils.**

[1] EPA " *Preliminary Data Summary of Urban Stormwater Best Management Practices*"

4. **Properly manage irrigation and runoff.**
    - Irrigate slowly or pulse irrigate so the infiltration rate of the soil is not exceeded.
    - Inspect irrigation system regularly for leaks and to ensure that excessive runoff is not occurring.
    - If re-claimed water is used for irrigation, ensure that there is no runoff from the landscaped area(s).
    - If bailing of muddy water is required (e.g. when repairing a water line leak), do not put it in the storm drain; pour over landscaped areas.
    - Use automatic timers to minimize runoff.
    - Use popup sprinkler heads in areas with a lot of activity or where pipes may be broken. Consider the use of mechanisms that reduce water flow to broken sprinkler heads.
5. **Properly store and dispose of chemicals.**
    - Implement storage requirements for pesticide products with guidance from the local fire department and/or County Agricultural Commissioner.
    - Provide secondary containment for chemical storage.
    - Dispose of empty containers according to the instructions on the container label.
    - Triple rinse containers and use rinse water as product.
6. **Properly manage pesticide and herbicide use.**
    - Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of pesticides and herbicides and training of applicators and pest control advisors.
    - Follow manufacturers' recommendations and label directions.
    - Use pesticides only if there is an actual pest problem (not on a regular preventative schedule). When applicable use less toxic pesticides that will do the job. Avoid use of copper-based pesticides if possible. Use the minimum amount of chemicals needed for the job.
    - Do not apply pesticides if rain is expected or if wind speeds are above 5 mph.
    - Do not mix or prepare pesticides for application near storm drains. Prepare the minimum amount of pesticide needed for the job and use the lowest rate that will effectively control the targeted pest.
    - Whenever possible, use mechanical methods of vegetation removal rather than applying herbicides. Use hand weeding where practical.
    - Do not apply any chemicals directly to surface waters, unless the application is approved and permitted by the state. Do not spray pesticides within 100 feet of open waters.
    - Employ techniques to minimize off-target application (e.g. spray drift) of pesticides, including consideration of alternative application techniques.
    - When conducting mechanical or manual weed control, avoid loosening the soil, which could lead to erosion.
    - Purchase only the amount of pesticide that you can reasonably use in a given time period.
    - Careful soil mixing and layering techniques using a topsoil mix or composted organic material can be used as an effective measure to reduce herbicide use and watering.
7. **Properly manage fertilizer use.**
    - Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers.
    - Follow manufacturers' recommendations and label directions.
    - Employ techniques to minimize off-target application (e.g. spray drift) of fertilizer, including consideration of alternative application techniques. Calibrate fertilizer distributors to avoid excessive application.
    - Periodically test soils for determining proper fertilizer use.
    - Fertilizers should be worked into the soil rather than dumped or broadcast onto the surface.
    - Sweep pavement and sidewalk if fertilizer is spilled on these surfaces before applying irrigation water.
    - Use slow release fertilizers whenever possible to minimize leaching
    -

8. **Incorporate the following integrated pest management techniques where appropriate:**
    - Mulching can be used to prevent weeds where turf is absent.
    - Remove insects by hand and place in soapy water or vegetable oil. Alternatively, remove insects with water or vacuum them off the plants.
    - Use species-specific traps (e.g. pheromone-based traps or colored sticky cards).
    - Sprinkle the ground surface with abrasive diatomaceous earth to prevent infestations by soft-bodied insects and slugs. Slugs also can be trapped in small cups filled with beer that are set in the ground so the slugs can get in easily.
    - In cases where microscopic parasites, such as bacteria and fungi, are causing damage to plants, the affected plant material can be removed and disposed of (pruning equipment should be disinfected with bleach to prevent spreading the disease organism).
    - Small mammals and birds can be excluded using fences, netting, and tree trunk guards.
    - Promote beneficial organisms, such as bats, birds, green lacewings, ladybugs, praying mantis, ground beetles, parasitic nematodes, trichogramma wasps, seedhead weevils, and spiders that prey on detrimental pest species.

Training

1. **Train employees on these BMPs, storm water discharge prohibitions, and wastewater discharge requirements.**
2. **Educate and train employees on the use of pesticides and pesticide application techniques. Only employees properly trained to use pesticides can apply them.**
3. **Train and encourage employees to use integrated pest management techniques.**
4. **Train employees on proper spill containment and cleanup.**
    - Establish training that provides employees with the proper tools and knowledge to immediately begin cleaning up a spill.
    - Ensure that employees are familiar with the site's spill control plan and/or proper spill cleanup procedures.
    - BMP IC17 discusses Spill Prevention and Control in detail.
5. **Establish a regular training schedule, train all new employees, and conduct annual refresher training.**
6. **Use a training log or similar method to document training.**

Stencil storm drains

Storm drain system signs act as highly visible source controls that are typically stenciled directly adjacent to storm drain inlets. Stencils should read "No Dumping Drains to Ocean".

References

California Storm Water Best Management Practice Handbook. Industrial and Commercial. 2003. www.cabmphandbooks.com

California Storm Water Best Management Practice Handbooks. Industrial/Commercial Best Management Practice Handbook. Prepared by Camp Dresser& McKee, Larry Walker Associates, Uribe and Associates, Resources Planning Associates for Stormwater Quality Task Force. March 1993.

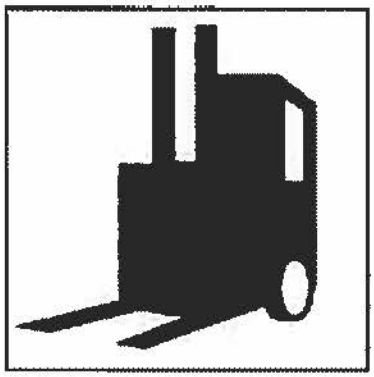
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Water Quality Handbook for Nurseries. Oklahoma Cooperative Extension Service. Division of Agricultural Sciences and Natural Resources. Oklahoma State University. E-951. September 1999.

For additional information contact:

County of Orange
Watershed & Coastal Resources
Stormwater Program
(714)567-6363
or visit our website at:
www.ocwatersheds.com



FF-6

MATERIAL LOADING AND UNLOADING

The loading/unloading of materials usually takes place outside; therefore, materials spilled, leaked, or lost during loading/unloading have the potential to collect in the soil or on other surfaces and be carried away by runoff or when the area is cleaned. Additionally, rainfall may wash pollutants from machinery used to unload or move materials. Material loading and unloading involves the following activities:

POLLUTION PREVENTION:

Pollution prevention measures have been considered and incorporated in the model procedures. Implementation of these measures may be more effective and reduce or eliminate the need to implement other more complicated or costly procedures. Possible pollution prevention measures for material loading and unloading include:

- Check loading and unloading equipment regularly for leaks.
- Cover loading docks.
- Once per year, educate municipal staff on pollution prevention measures.

MODEL PROCEDURES:

General Guidelines

- ✓ Regularly clean work areas to remove materials such as debris, sandblasting material, etc.
- ✓ Design loading/unloading area to prevent stormwater runon that would include grading or berming the area, and positioning roof downspouts so they direct stormwater away from loading/unloading areas.
- ✓ Use overhangs or door skirts that enclose the trailer.
- ✓ Park tank trucks or delivery vehicles so that spills or leaks can be contained.
- ✓ Avoid loading and exposing materials during rain events unless the loading dock is covered and protected from rain. A seal or door skirt between the trailer and the building may also prevent exposure to rain.
- ✓ Shipboard cooling and process water discharges should be directed to minimize contact with spent abrasives, paint, and other debris.

Tank truck transfers

- ✓ The area where the transfer takes place should be paved. If the liquid is reactive with the asphalt, Portland cement should be used to pave the area.
- ✓ Transfer area should be designed to prevent runon of stormwater from adjacent areas. Sloping the pad and using a berm around the uphill side of the transfer area should reduce runon.
- ✓ Transfer area should be designed to prevent runoff of spilled liquids from the area. Sloping the area to a drain should prevent runoff. The drain should be connected to a dead-end sump. A positive control valve should be installed on the drain.

Spill Control

Also see Spill Prevention and Control procedures sheet

- ✓ Contain leaks during transfer.
- ✓ Use drip pans under hoses.
- ✓ Have an emergency spill cleanup plan readily available.
- ✓ Place spill kits and materials next to or near each loading/unloading area.
- ✓ Use drip pans or comparable devices when transferring oils, solvents, and paints.

Training

- ✓ Make sure forklift operators are properly trained.
- ✓ Train employees regarding spill containment and cleanup.
- ✓ Employees trained in spill containment and cleanup should be present during the loading/unloading.
- ✓ Use a written operations plan that describes procedures for loading and/or unloading.

Inspection

Also see Spill Prevention and Control procedures sheet

- ✓ Check loading and unloading equipment regularly for leaks, including valves, pumps, flanges and connections.
- ✓ Inspect regularly for leaking valves, pipes, hoses, or soil chutes carrying either water or wastewater.
- ✓ Look for dust or fumes during loading or unloading operations.

LIMITATIONS:

Space and time limitations may preclude all transfers from being performed indoors or under cover. It may not be possible to conduct transfers only during dry weather.

REFERENCES:

California Storm Water Best Management Practice Handbooks. Municipal Best Management Practice Handbook.

Prepared by Camp Dresser & McKee, Larry Walker Associates, Uribe and Associates, Resources Planning Associates for Stormwater Quality Task Force. March 1993.

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality Control Board. July. 1998.



FP-3

ROADS, STREETS, AND HIGHWAYS OPERATION AND MAINTENANCE

Streets, roads, and highways are significant sources of pollutants in storm water discharges, and operation and maintenance (O&M) practices, if not conducted properly, can contribute to the problem. O&M practices may involve one or more of the following activities:

1. **Sweeping & Cleaning**
2. **Street Repair & Maintenance**
3. **Bridge and Structure Maintenance**

Streets, roads, and highways are significant sources of pollutants in storm water discharges, and operation and maintenance (O&M) practices, if not conducted properly, can contribute to the problem. O&M practices may involve one or more of the following activities:

Pollution prevention measures that should be consider and the minimum required and optional model procedures for each performance standard are provided below.

POLLUTION PREVENTION:

Pollution prevention measures have been considered and incorporated in the model procedures. Implementation of these measures may be more effective and reduce or eliminate the need to implement other more complicated or costly procedures. Possible pollution prevention measure for roads, streets, and highways operation and maintenance include:

- Use the least toxic materials available (e.g. water based paints, gels or sprays for graffiti removal)
- Recycle paint and other materials whenever possible.
- Once per year, educate municipal staff on pollution prevention measures.

MODEL PROCEDURES:

1. Sweeping & Cleaning

Sweeping Frequency and Timing

- ✓ Maintain a consistent sweeping schedule. Provide minimum monthly sweeping of streets.
- ✓ Perform street cleaning during dry weather if possible.
- ✓ Avoid wet cleaning or flushing of streets, and utilize dry methods where possible.
- ✓ If flushing of a street is absolutely necessary, sweep and remove debris before flushing. Do not let wash water enter storm drain inlets. Collect wash water and direct to a dirt or vegetated area, pump into a vacuum truck and dispose of properly.

OPTIONAL:

- Consider increasing sweeping frequency based on factors such as traffic volume, land use, field observations of sediment and trash accumulation, proximity to water courses, etc.

Equipment Operation and Selection

- ✓ Maintain cleaning equipment in good working condition and purchase replacement equipment as needed. Old sweepers should be replaced as needed with new technologically advanced sweepers (preferably regenerative air sweepers) that maximize pollutant removal.
- ✓ Operate sweepers at manufacturer requested optimal speed levels to increase effectiveness.
- ✓ Clean sweepers at a wash rack that drains to the sanitary sewer. The wash rack area should be covered and bermed and wash water should drain to a clarifier prior to entering the sanitary sewer.
- ✓ Regularly inspect vehicles and equipment for leaks, and repair immediately.

→ *Note: Permission must be obtained for any discharge of wash water to the sanitary sewer from the local sewering agency.*

OPTIONAL:

- If available use vacuum or regenerative air sweepers in the high sediment and trash areas (typically industrial/commercial).

Management of Material Removed by Sweeping

- ✓ Dispose of street sweeping debris and dirt at a landfill.
- ✓ Do not store swept material along the side of the street or near a storm drain inlet.
- ✓ If dewatering of saturated materials is necessary it should be conducted in a designated area away from storm drain inlets and the water contained for proper disposal.

→ *Note: Permission must be obtained for any discharge of wash water to the sanitary sewer from the local sewering agency.*

- ✓ If authorized by the local sanitation agency, water may be discharged to the sanitary sewer only after passing through a clarifier. As an alternative, dewatering can be conducted in a containment area in which saturated materials are placed on a tarp and allowed to dry. Dry debris is then disposed of properly.
- ✓ Keep debris storage to a minimum during the wet season or make sure debris piles are contained (e.g. by berming the area) or covered (e.g. with tarps or permanent covers).

Maximize Access for Sweepers

- ✓ Keep accurate operation logs to track program.
- ✓ Properly maintain and operate equipment; which will increase efficiency.
- ✓ Sweeping should be conducted as close to the curb line as possible.

OPTIONAL:

- Institute a parking policy to restrict parking in problematic areas during periods of street sweeping.
- Post permanent street sweeping signs in problematic areas; use temporary signs if installation of permanent signs is not possible.
- Develop and distribute flyers notifying residents of street sweeping schedules.

2. Repair and Maintenance

Pavement Marking

- ✓ Develop paint handling procedures for proper use, storage, and disposal of paints.
- ✓ Transfer and load paint and hot thermoplastic away from storm drain inlets.
- ✓ Street or hand sweep thermoplastic grindings. Yellow thermoplastic grindings may require special handling as they may contain lead.
- ✓ Replace paints containing lead and tributyltin with less toxic alternatives.
- ✓ Use water based paints. Clean application equipment in a sink that is connected to the sanitary sewer.
- ✓ Properly store leftover paints if they are to be kept for the next job, or dispose of properly.
- ✓ See *Spill Control procedure sheet* for guidance on the proper cleanup of paint spills.

Concrete Installation and Repair

- ✓ Avoid mixing excess amounts of fresh concrete or cement mortar on-site. Only mix what is needed for the job.
- ✓ Wash concrete trucks off site or in designated areas on site, such that there is no discharge of concrete wash water into storm drain inlets, open ditches, streets, or other stormwater conveyance structures.

- ✓ Store concrete materials under cover, away from drainage areas.
- ✓ Return leftover materials to the transit mixer. Dispose of small amounts of hardened excess concrete, grout, and mortar in the trash.
- ✓ Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stockpile, or dispose in the trash.
- ✓ When washing poured concrete areas to remove fine particles and expose the aggregate, contain the wash water for proper disposal; do not discharge water to the storm drain system.
- ✓ Do not allow excess concrete to be dumped on-site, except in designated areas.
- ✓ Apply concrete, asphalt, and seal coat during dry weather to allow the material to adequately dry prior to a rain event.
- ✓ When making saw cuts in pavement, use as little water as possible and perform during dry weather. Cover each nearby or appropriate storm drain inlet completely with filter fabric or plastic during the sawing operation and contain the slurry by placing straw bales, sandbags, or gravel dams around the inlets. After the liquid drains or evaporates, shovel or vacuum the slurry residue from the pavement or gutter and remove from site. Alternatively, a small on-site vacuum may be used to pick up the slurry as this will prohibit slurry from reaching storm drain inlets.

Patching, Resurfacing, and Surface Sealing

- ✓ Pre-heat, transfer or load hot bituminous material away from storm drain inlets.
- ✓ Apply concrete, asphalt, and seal coat during dry weather to allow the material to adequately dry prior to a rain event.
- ✓ Where applicable, cover and seal each nearby or appropriate storm drain inlet (with waterproof material, plastic or mesh) and maintenance holes before applying seal coat, slurry seal, etc. Leave covers in place until job is complete and until all water from emulsified oil sealants has drained or evaporated. Clean any debris from covered man holes and storm drain inlets when the job is complete.
- ✓ Use only as much water as necessary for dust control, to avoid runoff.
- ✓ Catch drips from paving equipment that is not in use with pans or absorbent material placed under the machines. Dispose of collected material and absorbents properly.
- ✓ Prior to a rain event or at the completion of a project, sweep the project area by hand or with a street sweeper.

Equipment Cleaning, Maintenance, and Storage

Also see Equipment Repair & Maintenance procedure sheet.

- ✓ Clean equipment including sprayers, sprayer paint supply lines, patch and paving equipment, and mudjacking equipment at the end of each day. If equipment can be cleaned and materials reapplied at the job site, do so in compliance with the laws and regulations. Clean in a sink or other area (e.g. vehicle wash area) that is connected to the sanitary sewer.

✓ If refueling or repairing vehicles and equipment must be done on-site, conduct the activity away from storm drain inlets and watercourses.

→ *Note: Permission must be obtained for any discharge of wash water to the sanitary sewer from the local sewering agency.*

✓ Place drip pans or absorbent materials under heavy equipment when not in use.

✓ Clean paint brushes and tools covered with water-based paints in sinks connected to sanitary sewers. Brushes and tools covered with non-water-based paints, finishes, or other materials must be cleaned in a manner that enables collection of used solvents (e.g., paint thinner, turpentine, etc.) for recycling or proper disposal.

OPTIONAL:

- Conduct cleaning at a corporation or maintenance yard if possible.
- When practical, perform major equipment repairs at the corporation yard.

→ *In addition to the procedures above, review and apply general procedures outlined for Minor Construction activities when conducting street, road, and highway repair and maintenance activities.*

3. Bridge and Structure Maintenance

Painting and Paint Removal

✓ Transport paint and materials to and from job sites in containers with secure lids and tied down to the transport vehicle.

✓ Do not transfer or load paint near storm drain inlets or watercourses.

✓ Test and inspect spray equipment prior to starting to paint. Tighten all hoses and connections and do not overfill paint container.

✓ If sand blasting is used to remove paint, cover nearby storm drain inlets prior to starting work.

✓ If the bridge crosses a watercourse, perform work on a maintenance traveler or platform, or use suspended netting or tarps to capture paint, rust, paint removing agents, or other materials, to prevent discharge of materials to surface waters. If sanding, use a sander with a vacuum filter bag.

✓ Recycle paint when possible (e.g. paint may be used for graffiti removal activities). Dispose of paint at an appropriate household hazardous waste facility.

✓ See Spill Control procedure sheet for guidance on the proper cleanup of paint spills.

Graffiti Removal

✓ Avoid graffiti abatement activities during rain events.

✓ Protect nearby storm drain inlets prior to removing graffiti from walls, signs, sidewalks, or other structures needing graffiti abatement. Clean up

afterwards by sweeping or vacuuming thoroughly, and/or by using absorbent and properly disposing of the absorbent.

- ✓ Note that care should be taken when disposing of waste since it may need to be disposed of as hazardous waste.
- ✓ When graffiti is removed by painting over, implement the procedures under Painting and Paint Removal above.
- ✓ Direct runoff from sand blasting and high pressure washing (with no cleaning agents) into a landscaped or dirt area.
- ✓ If a graffiti abatement method generates wash water containing a cleaning compound (such as high pressure washing with a cleaning compound), plug nearby storm drains and collect wash water and dispose of properly.

OPTIONAL:

- Consider using a waterless and non-toxic chemical cleaning method for graffiti removal (e.g. gels or spray compounds).

Guardrail and Fence Repair

- ✓ When cleaning guardrails or fences follow the appropriate surface cleaning methods (depending on the type of surface) outlined in the *Sidewalk, Plaza, and Fountain Maintenance and Cleaning* procedure sheet.
- ✓ If painting is conducted, follow the *Painting and Paint Removal* procedures above.
- ✓ If graffiti removal is conducted, follow the *Graffiti Removal* procedures above.
- ✓ If construction takes place, see the procedure sheet for *Minor Construction*.
- ✓ Recycle materials whenever possible.

LIMITATIONS:

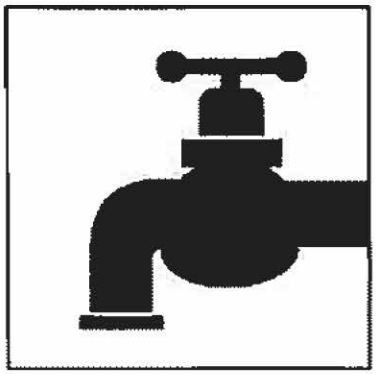
Limitations related to street sweeping may include high equipment costs, the potential inability to restrict parking in urban areas, the need for sweeper operator training, the inability of current sweeper technology to remove oil and grease, and the lack of scientific evidence regarding the expected levels of pollutant removal.

REFERENCES:

Model Urban Runoff Program: A How-To Guide for Developing Urban Runoff Programs for Small Municipalities. Prepared by City of Monterey, City of Santa Cruz, California Coastal Commission, Monterey Bay National Marine Sanctuary, Association of Monterey Bay Area Governments, Woodward-Clyde, Central Coast Regional Water Quality Control Board. July. 1998.

Oregon Association of Clean Water Agencies. Oregon Municipal Stormwater Toolbox for Maintenance Practices. June 1998.

Santa Clara Valley Urban Runoff Pollution Prevention Program. 1997 Urban Runoff Management Plan. September 1997, updated October 2000.



FP-6

WATER AND SEWER UTILITY OPERATION AND MAINTENANCE

Although the operation and maintenance of public utilities are not considered themselves a chronic source of stormwater pollution, some activities and accidents can result in the discharge of pollutants that can pose a threat to both human health and the quality of receiving waters if they enter the storm drain system. Activities associated with the operation and maintenance of water and sewer utilities to prevent and handle such incidents include the following:

1. **Water Line Maintenance**
2. **Sanitary Sewer Maintenance**
3. **Spill/Leak/Overflow Control, Response, and Containment**

Cities that do not provide maintenance of water and sewer utilities should coordinate with the contracting agency responsible for these activities and ensure that these model procedures are followed.

POLLUTION PREVENTION:

Pollution prevention measures have been considered and incorporated in the model procedures. Implementation of these measures may be more effective and reduce or eliminate the need to implement other more complicated or costly procedures. Possible pollution prevention measures for water and sewer utility operation and maintenance include:

- Inspect potential non-storm water discharge flow paths and clear/cleanup any debris or pollutants found (i.e. remove trash, leaves, sediment, and wipe up liquids, including oil spills).
- Once per year, educate municipal staff on pollution prevention measures.

MODEL PROCEDURES:

1. Water Line Maintenance

Procedures can be employed to reduce pollutants from discharges associated with water utility operation and maintenance activities. Planned discharges may include fire hydrant testing, flushing water supply mains after new construction, flushing lines due to complaints of taste and odor, dewatering mains for maintenance work. Unplanned discharges from treated, recycled water, raw water, and groundwater systems operation and maintenance activities can occur from water main breaks, sheared fire hydrants, equipment malfunction, and operator error.

Planned Discharges

✓ For planned discharges use one of the following options:

- Reuse water for dust suppression, irrigation, or construction compaction
- Discharge to the sanitary sewer system with approval
- Discharge to the storm drain system or to a creek using applicable pollution control measures listed below (this option is ONLY applicable to uncontaminated pumped ground water, water line flushing, fire hydrant testing and flushing, discharges from potable water sources other than water main breaks) and may require a permit from the Regional Water Quality Control Board.

✓ If water is discharged to a storm drain inlet (catch basin), control measures must be put in place to control potential pollutants (i.e. sediment, chlorine, etc.). Examples of some storm drain inlet protection options include:

- Silt fence – appropriate where the inlet drains a relatively flat area.
- Gravel and wire mesh sediment filter – Appropriate where concentrated flows are expected.
- Wooden weir and fabric – use at curb inlets where a compact installation is desired.

✓ Prior to discharge, inspect discharge flow path and clear/cleanup any debris or pollutants found (i.e. remove trash, leaves, sediment, and wipe up liquids, including oil spills).

✓ Select appropriate pollution control measure(s) considering the receiving system (i.e. curb inlet, drop inlet, culvert, creek, etc.) and ensure that the control device(s) fit properly.

✓ General design considerations for inlet protection devices include the following:

- The device should be constructed such that cleaning and disposal of trapped sediment is made easy, while minimizing interference with discharge activities.
- Devices should be constructed so that any standing water resulting from the discharge will not cause excessive inconvenience or flooding/damage to adjacent land or structures.

✓ The effectiveness of control devices must be monitored during the discharge period and any necessary repairs or modifications made as needed.

OPTIONAL:

- Sediment removal may be enhanced by placing filter fabric, gravel bags, etc. at storm drain inlets.

Unplanned Discharges

✓ Stop the discharge as quickly as possible by turning off water source.

✓ Inspect flow path of the discharged water:

- Control erosion along the flow path.
- Identify areas that may produce significant sediment or gullies, use sandbags to redirect the flow.
- Identify erodible areas which may need to be repaired or protected during subsequent repairs or corrective actions

✓ If repairs or corrective action will cause additional discharges of water, select the appropriate procedures for erosion control, chlorine residual, turbidity, and chemical additives. Prevent potential pollutants from entering the flow path and ensure that no additional discharged water enters storm drain inlets.

2. Sanitary Sewer Maintenance

Applicable to municipalities who own and operated a sewage collection system. Facilities that are covered under this program include sanitary sewer pipes and pump stations owned and operated by the Permittee. The owner of the sanitary sewer facilities is the entity responsible for carrying out this prevention and response program.

Sewer System Cleaning

- ✓ Sewer lines should be cleaned on a regular basis to remove grease, grit, and other debris that may lead to sewer backups.
- ✓ Establish routine maintenance program. Cleaning should be conducted at an established minimum frequency and more frequently for problem areas such as restaurants that are identified
- ✓ Cleaning activities may require removal of tree roots and other identified obstructions.

Preventative and Corrective Maintenance

- ✓ During routine maintenance and inspection note the condition of sanitary sewer structures and identify areas that need repair or maintenance. Items to note may include the following:
  - cracked/deteriorating pipes
  - leaking joints/seals at manhole
  - frequent line plugs
  - line generally flows at or near capacity
  - suspected infiltration or exfiltration
- ✓ Document suggestions and requests for repair and report the information to the appropriate manager or supervisor.
- ✓ Prioritize repairs based on the nature and severity of the problem. Immediate clearing of blockage or repair is required where an overflow is currently occurring or for urgent problems that may cause an imminent overflow (e.g. pump station failures, sewer line ruptures, sewer line blockages). These repairs may be temporary until scheduled or capital improvements can be completed.
- ✓ Review previous sewer maintenance records to help identify "hot spots" or areas with frequent maintenance problems and locations of potential system failure.

3. Spill/Leak/Overflow Control, Response, and Containment

Control

Also see Drainage System procedures sheet

- ✓ Refer to countywide *Illicit Discharge Detection and Elimination Program.* Components of this program include:
  - Investigation/inspection and follow-up
  - Elimination of illicit discharges and connections
  - Enforcement of ordinances
  - Respond to sewage spills

- Facilitate public reporting of illicit discharges and connections. A citizen's hotline for reporting observed overflow conditions should be established to supplement the field screening efforts being conducted by the Principal Permittee.

Response and Containment

- ✓ Establish lead department/agency responsible for spill response and containment. Provide coordination within departments.
- ✓ When a spill, leak, and/or overflow occurs, keep sewage from entering the storm drain system to the maximum extent practicable by covering or blocking storm drain inlets or by containing and diverting the sewage away from open channels and other storm drain facilities (using sandbags, inflatable dams, etc.).
- ✓ If a spill reaches the storm drain notify County of Orange Health Care Agency through Control One at (714) 628-7208.
- ✓ Remove the sewage using vacuum equipment or use other measures to divert it back to the sanitary sewer system.
- ✓ Record required information at the spill site.
- ✓ Perform field tests as necessary to determine the source of the spill.
- ✓ Develop additional notification procedures regarding spill reporting as needed.

LIMITATIONS:

Private property access rights needed to perform testing along storm drain right-of-ways. Requirements of municipal ordinance authority for suspected source verification testing necessary for guaranteed rights of entry.

REFERENCES:

California Storm Water Best Management Practice Handbooks. Municipal Best Management Practice Handbook. Prepared by Camp Dresser & McKee, Larry Walker Associates, Uribe and Associates, Resources Planning Associates for Stormwater Quality Task Force. March 1993.

Los Angeles County Stormwater Quality. Public Agency Activities Model Program. On-line: http://ladpw.org/wmd/npdes/public_TC.cfm

Santa Clara Valley Urban Runoff Pollution Prevention Program. 1997 Urban Runoff Management Plan. September 1997, updated October 2000.

Santa Clara Valley Urban Runoff Pollution Prevention Program. Water Utility Pollution Prevention Plan.

Outdoor Loading/Unloading SC-30



Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

Description

The loading/unloading of materials usually takes place outside on docks or terminals; therefore, materials spilled, leaked, or lost during loading/unloading may collect in the soil or on other surfaces and have the potential to be carried away by stormwater runoff or when the area is cleaned. Additionally, rainfall may wash pollutants from machinery used to unload or move materials. Implementation of the following protocols will prevent or reduce the discharge of pollutants to stormwater from outdoor loading/unloading of materials.

Targeted Constituents

Sediment	✓
Nutrients	✓
Trash	
Metals	✓
Bacteria	
Oil and Grease	✓
Organics	✓

Approach

Reduce potential for pollutant discharge through source control pollution prevention and BMP implementation. Successful implementation depends on effective training of employees on applicable BMPs and general pollution prevention strategies and objectives.

Pollution Prevention

- Keep accurate maintenance logs to evaluate materials removed and improvements made.
- Park tank trucks or delivery vehicles in designated areas so that spills or leaks can be contained.
- Limit exposure of material to rainfall whenever possible.
- Prevent stormwater run-on.
- Check equipment regularly for leaks.

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Suggested Protocols

Loading and Unloading – General Guidelines

- Develop an operations plan that describes procedures for loading and/or unloading.
- Conduct loading and unloading in dry weather if possible.
- Cover designated loading/unloading areas to reduce exposure of materials to rain.
- Consider placing a seal or door skirt between delivery vehicles and building to prevent exposure to rain.
- Design loading/unloading area to prevent stormwater run-on, which would include grading or berming the area, and position roof downspouts so they direct stormwater away from the loading/unloading areas.
- Have employees load and unload all materials and equipment in covered areas such as building overhangs at loading docks if feasible.
- Load/unload only at designated loading areas.
- Use drip pans underneath hose and pipe connections and other leak-prone spots during liquid transfer operations, and when making and breaking connections. Several drip pans should be stored in a covered location near the liquid transfer area so that they are always available, yet protected from precipitation when not in use. Drip pans can be made specifically for railroad tracks. Drip pans must be cleaned periodically, and drip collected materials must be disposed of properly.
- Pave loading areas with concrete instead of asphalt.
- Avoid placing storm drains in the area.
- Grade and/or berm the loading/unloading area to a drain that is connected to a deadend.

Inspection

- Check loading and unloading equipment regularly for leaks, including valves, pumps, flanges and connections.
- Look for dust or fumes during loading or unloading operations.

Training

- Train employees (e.g., fork lift operators) and contractors on proper spill containment and cleanup.
- Have employees trained in spill containment and cleanup present during loading/unloading.
- Train employees in proper handling techniques during liquid transfers to avoid spills.
- Make sure forklift operators are properly trained on loading and unloading procedures.

Spill Response and Prevention

- Keep your Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date.
- Contain leaks during transfer.
- Store and maintain appropriate spill cleanup materials in a location that is readily accessible and known to all and ensure that employees are familiar with the site's spill control plan and proper spill cleanup procedures.
- Have an emergency spill cleanup plan readily available.
- Use drip pans or comparable devices when transferring oils, solvents, and paints.

Other Considerations (Limitations and Regulations)

- Space and time limitations may preclude all transfers from being performed indoors or under cover.
- It may not be possible to conduct transfers only during dry weather.

Requirements

Costs

Costs should be low except when covering a large loading/unloading area.

Maintenance

- Conduct regular inspections and make repairs as necessary. The frequency of repairs will depend on the age of the facility.
- Check loading and unloading equipment regularly for leaks.
- Conduct regular broom dry-sweeping of area.

Supplemental Information

Further Detail of the BMP

Special Circumstances for Indoor Loading/Unloading of Materials

Loading or unloading of liquids should occur in the manufacturing building so that any spills that are not completely retained can be discharged to the sanitary sewer, treatment plant, or treated in a manner consistent with local sewer authorities and permit requirements.

- For loading and unloading tank trucks to above and below ground storage tanks, the following procedures should be used:
  - The area where the transfer takes place should be paved. If the liquid is reactive with the asphalt, Portland cement should be used to pave the area.
  - The transfer area should be designed to prevent run-on of stormwater from adjacent areas. Sloping the pad and using a curb, like a speed bump, around the uphill side of the transfer area should reduce run-on.

- The transfer area should be designed to prevent runoff of spilled liquids from the area. Sloping the area to a drain should prevent runoff. The drain should be connected to a dead-end sump or to the sanitary sewer. A positive control valve should be installed on the drain.

- For transfer from rail cars to storage tanks that must occur outside, use the following procedures:

  - Drip pans should be placed at locations where spillage may occur, such as hose connections, hose reels, and filler nozzles. Use drip pans when making and breaking connections.

  - Drip pan systems should be installed between the rails to collect spillage from tank cars.

References and Resources

California's Nonpoint Source Program Plan http://www.swrcb.ca.gov/nps/index.html

Clark County Storm Water Pollution Control Manual
http://www.co.clark.wa.us/pubworks/bmpman.pdf

King County Storm Water Pollution Control Manual http://dnr.metrokc.gov/wlr/dss/spcm.htm

Santa Clara Valley Urban Runoff Pollution Prevention Program http://www.scvurppp.org

The Storm Water Managers Resource Center http://www.stormwatercenter.net/

Building & Grounds Maintenance SC-41



Objectives

- Cover
- Contain
- Educate
- Reduce/Minimize
- Product Substitution

Targeted Constituents

Sediment	✓
Nutrients	✓
Trash	
Metals	✓
Bacteria	✓
Oil and Grease	
Organics	

Description

Stormwater runoff from building and grounds maintenance activities can be contaminated with toxic hydrocarbons in solvents, fertilizers and pesticides, suspended solids, heavy metals, abnormal pH, and oils and greases. Utilizing the protocols in this fact sheet will prevent or reduce the discharge of pollutants to stormwater from building and grounds maintenance activities by washing and cleaning up with as little water as possible, following good landscape management practices, preventing and cleaning up spills immediately, keeping debris from entering the storm drains, and maintaining the stormwater collection system.

Approach

Reduce potential for pollutant discharge through source control pollution prevention and BMP implementation. Successful implementation depends on effective training of employees on applicable BMPs and general pollution prevention strategies and objectives.

Pollution Prevention

- Switch to non-toxic chemicals for maintenance when possible.
- Choose cleaning agents that can be recycled.
- Encourage proper lawn management and landscaping, including use of native vegetation.

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- Encourage use of Integrated Pest Management techniques for pest control.
- Encourage proper onsite recycling of yard trimmings.
- Recycle residual paints, solvents, lumber, and other material as much as possible.

Suggested Protocols

Pressure Washing of Buildings, Rooftops, and Other Large Objects

- In situations where soaps or detergents are used and the surrounding area is paved, pressure washers must use a water collection device that enables collection of wash water and associated solids. A sump pump, wet vacuum or similarly effective device must be used to collect the runoff and loose materials. The collected runoff and solids must be disposed of properly.
- If soaps or detergents are not used, and the surrounding area is paved, wash runoff does not have to be collected but must be screened. Pressure washers must use filter fabric or some other type of screen on the ground and/or in the catch basin to trap the particles in wash water runoff.
- If you are pressure washing on a grassed area (with or without soap), runoff must be dispersed as sheet flow as much as possible, rather than as a concentrated stream. The wash runoff must remain on the grass and not drain to pavement.

Landscaping Activities

- Dispose of grass clippings, leaves, sticks, or other collected vegetation as garbage, or by composting. Do not dispose of collected vegetation into waterways or storm drainage systems.
- Use mulch or other erosion control measures on exposed soils.

Building Repair, Remodeling, and Construction

- Do not dump any toxic substance or liquid waste on the pavement, the ground, or toward a storm drain.
- Use ground or drop cloths underneath outdoor painting, scraping, and sandblasting work, and properly dispose of collected material daily.
- Use a ground cloth or oversized tub for activities such as paint mixing and tool cleaning.
- Clean paintbrushes and tools covered with water-based paints in sinks connected to sanitary sewers or in portable containers that can be dumped into a sanitary sewer drain. Brushes and tools covered with non-water-based paints, finishes, or other materials must be cleaned in a manner that enables collection of used solvents (e.g., paint thinner, turpentine, etc.) for recycling or proper disposal.
- Use a storm drain cover, filter fabric, or similarly effective runoff control mechanism if dust, grit, wash water, or other pollutants may escape the work area and enter a catch basin. This is particularly necessary on rainy days. The containment device(s) must be in place at the beginning of the work day, and accumulated dirty runoff and solids must be collected and disposed of before removing the containment device(s) at the end of the work day.

- If you need to de-water an excavation site, you may need to filter the water before discharging to a catch basin or off-site. If directed off-site, you should direct the water through hay bales and filter fabric or use other sediment filters or traps.
- Store toxic material under cover during precipitation events and when not in use. A cover would include tarps or other temporary cover material.

Mowing, Trimming, and Planting

- Dispose of leaves, sticks, or other collected vegetation as garbage, by composting or at a permitted landfill. Do not dispose of collected vegetation into waterways or storm drainage systems.
- Use mulch or other erosion control measures when soils are exposed.
- Place temporarily stockpiled material away from watercourses and drain inlets, and berm or cover stockpiles to prevent material releases to the storm drain system.
- Consider an alternative approach when bailing out muddy water: do not put it in the storm drain; pour over landscaped areas.
- Use hand weeding where practical.

Fertilizer and Pesticide Management

- Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers and pesticides and training of applicators and pest control advisors.
- Use less toxic pesticides that will do the job when applicable. Avoid use of copper-based pesticides if possible.
- Do not use pesticides if rain is expected.
- Do not mix or prepare pesticides for application near storm drains.
- Use the minimum amount needed for the job.
- Calibrate fertilizer distributors to avoid excessive application.
- Employ techniques to minimize off-target application (e.g., spray drift) of pesticides, including consideration of alternative application techniques.
- Apply pesticides only when wind speeds are low.
- Fertilizers should be worked into the soil rather than dumped or broadcast onto the surface.
- Irrigate slowly to prevent runoff and then only as much as is needed.
- Clean pavement and sidewalk if fertilizer is spilled on these surfaces before applying irrigation water.
- Dispose of empty pesticide containers according to the instructions on the container label.

- Use up the pesticides. Rinse containers, and use rinse water as product. Dispose of unused pesticide as hazardous waste.
- Implement storage requirements for pesticide products with guidance from the local fire department and County Agricultural Commissioner. Provide secondary containment for pesticides.

Inspection

- Inspect irrigation system periodically to ensure that the right amount of water is being applied and that excessive runoff is not occurring. Minimize excess watering and repair leaks in the irrigation system as soon as they are observed.

Training

- Educate and train employees on pesticide use and in pesticide application techniques to prevent pollution.
- Train employees and contractors in proper techniques for spill containment and cleanup.
- Be sure the frequency of training takes into account the complexity of the operations and the nature of the staff.

Spill Response and Prevention

- Keep your Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date.
- Place a stockpile of spill cleanup materials, such as brooms, dustpans, and vacuum sweepers (if desired) near the storage area where it will be readily accessible.
- Have employees trained in spill containment and cleanup present during the loading/unloading of dangerous wastes, liquid chemicals, or other materials.
- Familiarize employees with the Spill Prevention Control and Countermeasure Plan.
- Clean up spills immediately.

Other Considerations

Alternative pest/weed controls may not be available, suitable, or effective in many cases.

Requirements

Costs

- Cost will vary depending on the type and size of facility.
- Overall costs should be low in comparison to other BMPs.

Maintenance

Sweep paved areas regularly to collect loose particles. Wipe up spills with rags and other absorbent material immediately, do not hose down the area to a storm drain.

Supplemental Information

Further Detail of the BMP

Fire Sprinkler Line Flushing

Building fire sprinkler line flushing may be a source of non-stormwater runoff pollution. The water entering the system is usually potable water, though in some areas it may be non-potable reclaimed wastewater. There are subsequent factors that may drastically reduce the quality of the water in such systems. Black iron pipe is usually used since it is cheaper than potable piping, but it is subject to rusting and results in lower quality water. Initially, the black iron pipe has an oil coating to protect it from rusting between manufacture and installation; this will contaminate the water from the first flush but not from subsequent flushes. Nitrates, poly-phosphates and other corrosion inhibitors, as well as fire suppressants and antifreeze may be added to the sprinkler water system. Water generally remains in the sprinkler system a long time (typically a year) and between flushes may accumulate iron, manganese, lead, copper, nickel, and zinc. The water generally becomes anoxic and contains living and dead bacteria and breakdown products from chlorination. This may result in a significant BOD problem and the water often smells. Consequently dispose fire sprinkler line flush water into the sanitary sewer. Do not allow discharge to storm drain or infiltration due to potential high levels of pollutants in fire sprinkler line water.

References and Resources

California's Nonpoint Source Program Plan http://www.swrcb.ca.gov/nps/index.html

Clark County Storm Water Pollution Control Manual
http://www.co.clark.wa.us/pubworks/bmpman.pdf

King County Storm Water Pollution Control Manual http://dnr.metrokc.gov/wlr/dss/spcm.htm

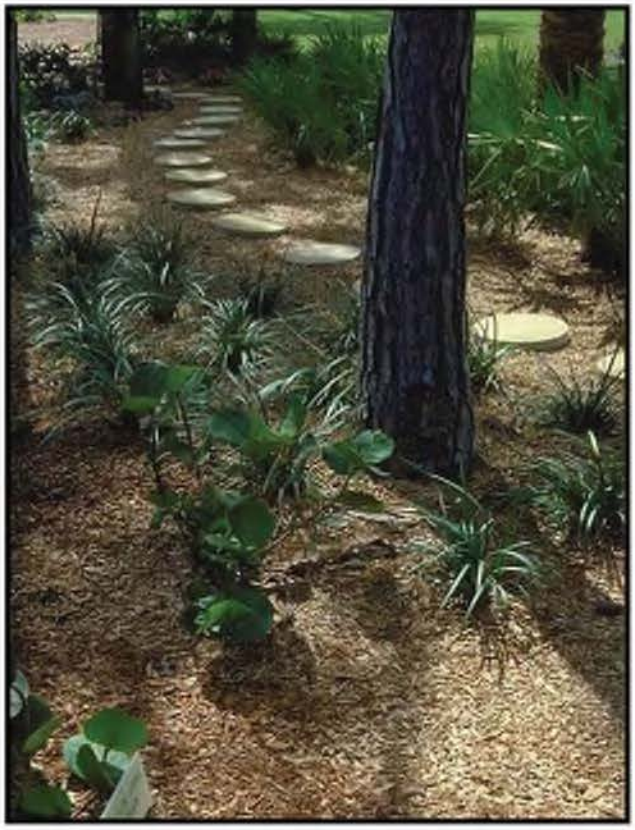
Mobile Cleaners Pilot Program: Final Report. 1997. Bay Area Stormwater Management Agencies Association (BASMAA). http://www.basmaa.org/

Pollution from Surface Cleaning Folder. 1996. Bay Area Stormwater Management Agencies Association (BASMAA). http://www.basmaa.org/

Santa Clara Valley Urban Runoff Pollution Prevention Program http://www.scvurppp.org

The Storm Water Managers Resource Center http://www.stormwatercenter.net/

Site Design & Landscape Planning SD-10



Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- ☑ Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Each project site possesses unique topographic, hydrologic, and vegetative features, some of which are more suitable for development than others. Integrating and incorporating appropriate landscape planning methodologies into the project design is the most effective action that can be done to minimize surface and groundwater contamination from stormwater.

Approach

Landscape planning should couple consideration of land suitability for urban uses with consideration of community goals and projected growth. Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for site design and landscapes planning should conform to applicable standards and specifications of agencies with jurisdiction and be consistent with applicable General Plan and Local Area Plan policies.

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Designing New Installations

Begin the development of a plan for the landscape unit with attention to the following general principles:

- Formulate the plan on the basis of clearly articulated community goals. Carefully identify conflicts and choices between retaining and protecting desired resources and community growth.
- Map and assess land suitability for urban uses. Include the following landscape features in the assessment: wooded land, open unwooded land, steep slopes, erosion-prone soils, foundation suitability, soil suitability for waste disposal, aquifers, aquifer recharge areas, wetlands, floodplains, surface waters, agricultural lands, and various categories of urban land use. When appropriate, the assessment can highlight outstanding local or regional resources that the community determines should be protected (e.g., a scenic area, recreational area, threatened species habitat, farmland, fish run). Mapping and assessment should recognize not only these resources but also additional areas needed for their sustenance.

Project plan designs should conserve natural areas to the extent possible, maximize natural water storage and infiltration opportunities, and protect slopes and channels.

Conserve Natural Areas during Landscape Planning

If applicable, the following items are required and must be implemented in the site layout during the subdivision design and approval process, consistent with applicable General Plan and Local Area Plan policies:

- Cluster development on least-sensitive portions of a site while leaving the remaining land in a natural undisturbed condition.
- Limit clearing and grading of native vegetation at a site to the minimum amount needed to build lots, allow access, and provide fire protection.
- Maximize trees and other vegetation at each site by planting additional vegetation, clustering tree areas, and promoting the use of native and/or drought tolerant plants.
- Promote natural vegetation by using parking lot islands and other landscaped areas.
- Preserve riparian areas and wetlands.

Maximize Natural Water Storage and Infiltration Opportunities Within the Landscape Unit

- Promote the conservation of forest cover. Building on land that is already deforested affects basin hydrology to a lesser extent than converting forested land. Loss of forest cover reduces interception storage, detention in the organic forest floor layer, and water losses by evapotranspiration, resulting in large peak runoff increases and either their negative effects or the expense of countering them with structural solutions.
- Maintain natural storage reservoirs and drainage corridors, including depressions, areas of permeable soils, swales, and intermittent streams. Develop and implement policies and

regulations to discourage the clearing, filling, and channelization of these features. Utilize them in drainage networks in preference to pipes, culverts, and engineered ditches.

- Evaluating infiltration opportunities by referring to the stormwater management manual for the jurisdiction and pay particular attention to the selection criteria for avoiding groundwater contamination, poor soils, and hydrogeological conditions that cause these facilities to fail. If necessary, locate developments with large amounts of impervious surfaces or a potential to produce relatively contaminated runoff away from groundwater recharge areas.

Protection of Slopes and Channels during Landscape Design

- Convey runoff safely from the tops of slopes.
- Avoid disturbing steep or unstable slopes.
- Avoid disturbing natural channels.
- Stabilize disturbed slopes as quickly as possible.
- Vegetate slopes with native or drought tolerant vegetation.
- Control and treat flows in landscaping and/or other controls prior to reaching existing natural drainage systems.
- Stabilize temporary and permanent channel crossings as quickly as possible, and ensure that increases in run-off velocity and frequency caused by the project do not erode the channel.
- Install energy dissipaters, such as riprap, at the outlets of new storm drains, culverts, conduits, or channels that enter unlined channels in accordance with applicable specifications to minimize erosion. Energy dissipaters shall be installed in such a way as to minimize impacts to receiving waters.
- Line on-site conveyance channels where appropriate, to reduce erosion caused by increased flow velocity due to increases in tributary impervious area. The first choice for linings should be grass or some other vegetative surface, since these materials not only reduce runoff velocities, but also provide water quality benefits from filtration and infiltration. If velocities in the channel are high enough to erode grass or other vegetative linings, riprap, concrete, soil cement, or geo-grid stabilization are other alternatives.
- Consider other design principles that are comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Redevelopment may present significant opportunity to add features which had not previously been implemented. Examples include incorporation of depressions, areas of permeable soils, and swales in newly redeveloped areas. While some site constraints may exist due to the status of already existing infrastructure, opportunities should not be missed to maximize infiltration, slow runoff, reduce impervious areas, disconnect directly connected impervious areas.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Stormwater Management Manual for Western Washington, Washington State Department of Ecology, August 2001.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Roof Runoff Controls SD-11



Rain Garden

Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Various roof runoff controls are available to address stormwater that drains off rooftops. The objective is to reduce the total volume and rate of runoff from individual lots, and retain the pollutants on site that may be picked up from roofing materials and atmospheric deposition. Roof runoff controls consist of directing the roof runoff away from paved areas and mitigating flow to the storm drain system through one of several general approaches: cisterns or rain barrels; dry wells or infiltration trenches; pop-up emitters, and foundation planting. The first three approaches require the roof runoff to be contained in a gutter and downspout system. Foundation planting provides a vegetated strip under the drip line of the roof.

Approach

Design of individual lots for single-family homes as well as lots for higher density residential and commercial structures should consider site design provisions for containing and infiltrating roof runoff or directing roof runoff to vegetative swales or buffer areas. Retained water can be reused for watering gardens, lawns, and trees. Benefits to the environment include reduced demand for potable water used for irrigation, improved stormwater quality, increased groundwater recharge, decreased runoff volume and peak flows, and decreased flooding potential.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

Design Considerations

Designing New Installations

Cisterns or Rain Barrels

One method of addressing roof runoff is to direct roof downspouts to cisterns or rain barrels. A cistern is an above ground storage vessel with either a manually operated valve or a permanently open outlet. Roof runoff is temporarily stored and then released for irrigation or infiltration between storms. The number of rain

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barrels needed is a function of the rooftop area. Some low impact developers recommend that every house have at least 2 rain barrels, with a minimum storage capacity of 1000 liters. Roof barrels serve several purposes including mitigating the first flush from the roof which has a high volume, amount of contaminants, and thermal load. Several types of rain barrels are commercially available. Consideration must be given to selecting rain barrels that are vector proof and childproof. In addition, some barrels are designed with a bypass valve that filters out grit and other contaminants and routes overflow to a soak-away pit or rain garden.

If the cistern has an operable valve, the valve can be closed to store stormwater for irrigation or infiltration between storms. This system requires continual monitoring by the resident or grounds crews, but provides greater flexibility in water storage and metering. If a cistern is provided with an operable valve and water is stored inside for long periods, the cistern must be covered to prevent mosquitoes from breeding.

A cistern system with a permanently open outlet can also provide for metering stormwater runoff. If the cistern outlet is significantly smaller than the size of the downspout inlet (say ¼ to ½ inch diameter), runoff will build up inside the cistern during storms, and will empty out slowly after peak intensities subside. This is a feasible way to mitigate the peak flow increases caused by rooftop impervious land coverage, especially for the frequent, small storms.

Dry wells and Infiltration Trenches

Roof downspouts can be directed to dry wells or infiltration trenches. A dry well is constructed by excavating a hole in the ground and filling it with an open graded aggregate, and allowing the water to fill the dry well and infiltrate after the storm event. An underground connection from the downspout conveys water into the dry well, allowing it to be stored in the voids. To minimize sedimentation from lateral soil movement, the sides and top of the stone storage matrix can be wrapped in a permeable filter fabric, though the bottom may remain open. A perforated observation pipe can be inserted vertically into the dry well to allow for inspection and maintenance.

In practice, dry wells receiving runoff from single roof downspouts have been successful over long periods because they contain very little sediment. They must be sized according to the amount of rooftop runoff received, but are typically 4 to 5 feet square, and 2 to 3 feet deep, with a minimum of 1-foot soil cover over the top (maximum depth of 10 feet).

To protect the foundation, dry wells must be set away from the building at least 10 feet. They must be installed in solids that accommodate infiltration. In poorly drained soils, dry wells have very limited feasibility.

Infiltration trenches function in a similar manner and would be particularly effective for larger roof areas. An infiltration trench is a long, narrow, rock-filled trench with no outlet that receives stormwater runoff. These are described under Treatment Controls.

Pop-up Drainage Emitter

Roof downspouts can be directed to an underground pipe that daylights some distance from the building foundation, releasing the roof runoff through a pop-up emitter. Similar to a pop-up irrigation head, the emitter only opens when there is flow from the roof. The emitter remains flush to the ground during dry periods, for ease of lawn or landscape maintenance.

Foundation Planting

Landscape planting can be provided around the base to allow increased opportunities for stormwater infiltration and protect the soil from erosion caused by concentrated sheet flow coming off the roof. Foundation plantings can reduce the physical impact of water on the soil and provide a subsurface matrix of roots that encourage infiltration. These plantings must be sturdy enough to tolerate the heavy runoff sheet flows, and periodic soil saturation.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Supplemental Information

Examples

- City of Ottawa's Water Links Surface –Water Quality Protection Program
- City of Toronto Downspout Disconnection Program
- City of Boston, MA, Rain Barrel Demonstration Program

Other Resources

Hager, Marty Catherine, Stormwater, "Low-Impact Development", January/February 2003. www.stormh2o.com

Low Impact Urban Design Tools, Low Impact Development Design Center, Beltsville, MD. www.lid-stormwater.net

Start at the Source, Bay Area Stormwater Management Agencies Association, 1999 Edition

Efficient Irrigation SD-12



Design Objectives

- ☑ Maximize Infiltration
- ☑ Provide Retention
- ☑ Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Irrigation water provided to landscaped areas may result in excess irrigation water being conveyed into stormwater drainage systems.

Approach

Project plan designs for development and redevelopment should include application methods of irrigation water that minimize runoff of excess irrigation water into the stormwater conveyance system.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Designing New Installations

The following methods to reduce excessive irrigation runoff should be considered, and incorporated and implemented where determined applicable and feasible by the Permittee:

- Employ rain-triggered shutoff devices to prevent irrigation after precipitation.
- Design irrigation systems to each landscape area's specific water requirements.
- Include design featuring flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines.
- Implement landscape plans consistent with County or City water conservation resolutions, which may include provision of water sensors, programmable irrigation times (for short cycles), etc.

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- Design timing and application methods of irrigation water to minimize the runoff of excess irrigation water into the storm water drainage system.
- Group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface filtration. Choose plants with low irrigation requirements (for example, native or drought tolerant species). Consider design features such as:
  - Using mulches (such as wood chips or bar) in planter areas without ground cover to minimize sediment in runoff
  - Installing appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant materials where possible and/or as recommended by the landscape architect
  - Leaving a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible
  - Choosing plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth
- Employ other comparable, equally effective methods to reduce irrigation water runoff.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Storm Drain Signage SD-13



Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

Description

Waste materials dumped into storm drain inlets can have severe impacts on receiving and ground waters. Posting notices regarding discharge prohibitions at storm drain inlets can prevent waste dumping. Storm drain signs and stencils are highly visible source controls that are typically placed directly adjacent to storm drain inlets.

Approach

The stencil or affixed sign contains a brief statement that prohibits dumping of improper materials into the urban runoff conveyance system. Storm drain messages have become a popular method of alerting the public about the effects of and the prohibitions against waste disposal.

Suitable Applications

Stencils and signs alert the public to the destination of pollutants discharged to the storm drain. Signs are appropriate in residential, commercial, and industrial areas, as well as any other area where contributions or dumping to storm drains is likely.

Design Considerations

Storm drain message markers or placards are recommended at all storm drain inlets within the boundary of a development project. The marker should be placed in clear sight facing toward anyone approaching the inlet from either side. All storm drain inlet locations should be identified on the development site map.

Designing New Installations

The following methods should be considered for inclusion in the project design and show on project plans:

- Provide stenciling or labeling of all storm drain inlets and catch basins, constructed or modified, within the project area with prohibitive language. Examples include "NO DUMPING

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– DRAINS TO OCEAN" and/or other graphical icons to discourage illegal dumping.

- Post signs with prohibitive language and/or graphical icons, which prohibit illegal dumping at public access points along channels and creeks within the project area.

Note - Some local agencies have approved specific signage and/or storm drain message placards for use. Consult local agency stormwater staff to determine specific requirements for placard types and methods of application.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. If the project meets the definition of "redevelopment", then the requirements stated under " designing new installations" above should be included in all project design plans.

Additional Information

Maintenance Considerations

- Legibility of markers and signs should be maintained. If required by the agency with jurisdiction over the project, the owner/operator or homeowner's association should enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards or signs.

Placement

- Signage on top of curbs tends to weather and fade.
- Signage on face of curbs tends to be worn by contact with vehicle tires and sweeper brooms.

Supplemental Information

Examples

- Most MS4 programs have storm drain signage programs. Some MS4 programs will provide stencils, or arrange for volunteers to stencil storm drains as part of their outreach program.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Maintenance Bays & Docks SD-31



Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- ☑ Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Several measures can be taken to prevent operations at maintenance bays and loading docks from contributing a variety of toxic compounds, oil and grease, heavy metals, nutrients, suspended solids, and other pollutants to the stormwater conveyance system.

Approach

In designs for maintenance bays and loading docks, containment is encouraged. Preventative measures include overflow containment structures and dead-end sumps. However, in the case of loading docks from grocery stores and warehouse/distribution centers, engineered infiltration systems may be considered.

Suitable Applications

Appropriate applications include commercial and industrial areas planned for development or redevelopment.

Design Considerations

Design requirements for vehicle maintenance and repair are governed by Building and Fire Codes, and by current local agency ordinances, and zoning requirements. The design criteria described in this fact sheet are meant to enhance and be consistent with these code requirements.

Designing New Installations

Designs of maintenance bays should consider the following:

- Repair/maintenance bays and vehicle parts with fluids should be indoors; or designed to preclude urban run-on and runoff.
- Repair/maintenance floor areas should be paved with Portland cement concrete (or equivalent smooth impervious surface).

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- Repair/maintenance bays should be designed to capture all wash water leaks and spills. Provide impermeable berms, drop inlets, trench catch basins, or overflow containment structures around repair bays to prevent spilled materials and wash-down waters form entering the storm drain system. Connect drains to a sump for collection and disposal. Direct connection of the repair/maintenance bays to the storm drain system is prohibited. If required by local jurisdiction, obtain an Industrial Waste Discharge Permit.
- Other features may be comparable and equally effective.

The following designs of loading/unloading dock areas should be considered:

- Loading dock areas should be covered, or drainage should be designed to preclude urban run-on and runoff.
- Direct connections into storm drains from depressed loading docks (truck wells) are prohibited.
- Below-grade loading docks from grocery stores and warehouse/distribution centers of fresh food items should drain through water quality inlets, or to an engineered infiltration system, or an equally effective alternative. Pre-treatment may also be required.
- Other features may be comparable and equally effective.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Additional Information

Stormwater and non-stormwater will accumulate in containment areas and sumps with impervious surfaces. Contaminated accumulated water must be disposed of in accordance with applicable laws and cannot be discharged directly to the storm drain or sanitary sewer system without the appropriate permit.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Trash Storage Areas SD-32

Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- ☑ Contain Pollutants
- Collect and Convey

Description

Trash storage areas are areas where a trash receptacle (s) are located for use as a repository for solid wastes. Stormwater runoff from areas where trash is stored or disposed of can be polluted. In addition, loose trash and debris can be easily transported by water or wind into nearby storm drain inlets, channels, and/or creeks. Waste handling operations that may be sources of stormwater pollution include dumpsters, litter control, and waste piles.

Approach

This fact sheet contains details on the specific measures required to prevent or reduce pollutants in stormwater runoff associated with trash storage and handling. Preventative measures including enclosures, containment structures, and impervious pavements to mitigate spills, should be used to reduce the likelihood of contamination.

Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

Design Considerations

Design requirements for waste handling areas are governed by Building and Fire Codes, and by current local agency ordinances and zoning requirements. The design criteria described in this fact sheet are meant to enhance and be consistent with these code and ordinance requirements. Hazardous waste should be handled in accordance with legal requirements established in Title 22, California Code of Regulation.

Wastes from commercial and industrial sites are typically hauled by either public or commercial carriers that may have design or access requirements for waste storage areas. The design criteria in this fact sheet are recommendations and are not intended to be in conflict with requirements established by the waste hauler. The waste hauler should be contacted prior to the design of your site trash collection areas. Conflicts or issues should be discussed with the local agency.

Designing New Installations

Trash storage areas should be designed to consider the following structural or treatment control BMPs:

- Design trash container areas so that drainage from adjoining roofs and pavement is diverted around the area(s) to avoid run-on. This might include berming or grading the waste handling area to prevent run-on of stormwater.
- Make sure trash container areas are screened or walled to prevent off-site transport of trash.

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- Use lined bins or dumpsters to reduce leaking of liquid waste.
- Provide roofs, awnings, or attached lids on all trash containers to minimize direct precipitation and prevent rainfall from entering containers.
- Pave trash storage areas with an impervious surface to mitigate spills.
- Do not locate storm drains in immediate vicinity of the trash storage area.
- Post signs on all dumpsters informing users that hazardous materials are not to be disposed of therein.

Redeveloping Existing Installations

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define "redevelopment" in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of " redevelopment" must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under "designing new installations" above should be followed.

Additional Information

Maintenance Considerations

The integrity of structural elements that are subject to damage (i.e., screens, covers, and signs) must be maintained by the owner/operator. Maintenance agreements between the local agency and the owner/operator may be required. Some agencies will require maintenance deed restrictions to be recorded of the property title. If required by the local agency, maintenance agreements or deed restrictions must be executed by the owner/operator before improvement plans are approved.

Other Resources

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.

Street Sweeping and Vacuuming SE-7



Categories		
EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Objective**
☒ **Secondary Objective**

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.
- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.

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- If not mixed with debris or trash, consider incorporating the removed sediment back into the project

Costs

Rental rates for self-propelled sweepers vary depending on hopper size and duration of rental. Expect rental rates from $58/hour (3 yd^3 hopper) to $88/hour (9 yd^3 hopper), plus operator costs. Hourly production rates vary with the amount of area to be swept and amount of sediment. Match the hopper size to the area and expect sediment load to minimize time spent dumping.

Inspection and Maintenance

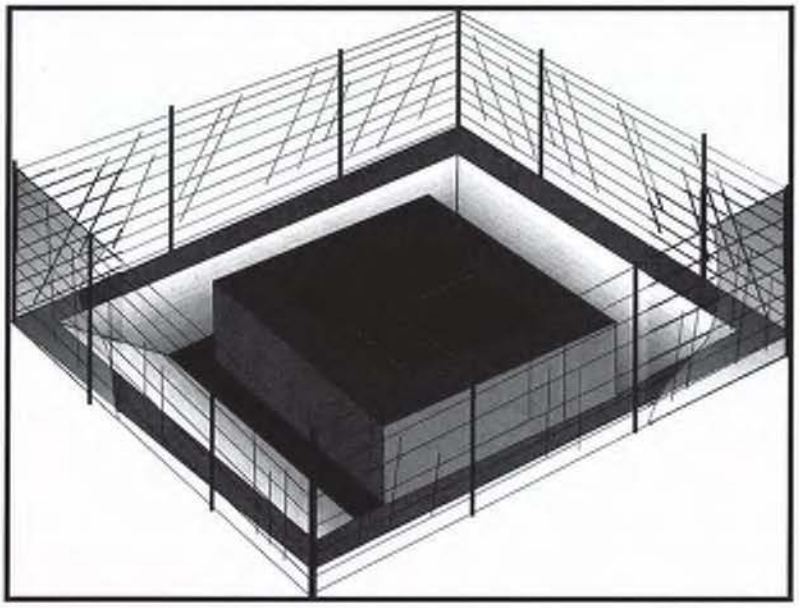
- Inspect BMPs in accordance with General Permit requirements for the associated project type and risk level. It is recommended that at a minimum, BMPs be inspected weekly, prior to forecasted rain events, daily during extended rain events, and after the conclusion of rain events.
- When actively in use, points of ingress and egress must be inspected daily.
- When tracked or spilled sediment is observed outside the construction limits, it must be removed at least daily. More frequent removal, even continuous removal, may be required in some jurisdictions.
- Be careful not to sweep up any unknown substance or any object that may be potentially hazardous.
- Adjust brooms frequently; maximize efficiency of sweeping operations.
- After sweeping is finished, properly dispose of sweeper wastes at an approved dumpsite.

References

Stormwater Quality Handbooks - Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Labor Surcharge and Equipment Rental Rates, State of California Department of Transportation (Caltrans), April 1, 2002 – March 31, 2003.

Storm Drain Inlet Protection SE-10



Categories		
EC	Erosion Control	
SE	Sediment Control	☑
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	☒
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

SE-1 Silt Fence
SE-5 Fiber Rolls
SE-6 Gravel Bag Berm
SE-8 Sandbag Barrier
SE-14 Biofilter Bags

Description and Purpose

Storm drain inlet protection consists of a sediment filter or an impounding area in, around or upstream of a storm drain, drop inlet, or curb inlet. Storm drain inlet protection measures temporarily pond runoff before it enters the storm drain, allowing sediment to settle. Some filter configurations also remove sediment by filtering, but usually the ponding action results in the greatest sediment reduction. Temporary geotextile storm drain inserts attach underneath storm drain grates to capture and filter storm water.

Suitable Applications

Every storm drain inlet receiving runoff from unstabilized or otherwise active work areas should be protected. Inlet protection should be used in conjunction with other erosion and sediment controls to prevent sediment-laden stormwater and non-stormwater discharges from entering the storm drain system.

Limitations

- Drainage area should not exceed 1 acre.
- In general straw bales should not be used as inlet protection.
- Requires an adequate area for water to pond without encroaching into portions of the roadway subject to traffic.

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- Sediment removal may be inadequate to prevent sediment discharges in high flow conditions or if runoff is heavily sediment laden. If high flow conditions are expected, use other onsite sediment trapping techniques in conjunction with inlet protection.
- Frequent maintenance is required.
- Limit drainage area to 1 acre maximum. For drainage areas larger than 1 acre, runoff should be routed to a sediment-trapping device designed for larger flows. See BMPs SE-2, Sediment Basin, and SE-3, Sediment Traps.
- Excavated drop inlet sediment traps are appropriate where relatively heavy flows are expected, and overflow capability is needed.

Implementation

General

Inlet control measures presented in this handbook should not be used for inlets draining more than one acre. Runoff from larger disturbed areas should be first routed through SE-2, Sediment Basin or SE-3, Sediment Trap and/or used in conjunction with other drainage control, erosion control, and sediment control BMPs to protect the site. Different types of inlet protection are appropriate for different applications depending on site conditions and the type of inlet. Alternative methods are available in addition to the methods described/shown herein such as prefabricated inlet insert devices, or gutter protection devices.

Design and Layout

Identify existing and planned storm drain inlets that have the potential to receive sediment-laden surface runoff. Determine if storm drain inlet protection is needed and which method to use.

- The key to successful and safe use of storm drain inlet protection devices is to know where runoff that is directed toward the inlet to be protected will pond or be diverted as a result of installing the protection device.
  - Determine the acceptable location and extent of ponding in the vicinity of the drain inlet. The acceptable location and extent of ponding will influence the type and design of the storm drain inlet protection device.
  - Determine the extent of potential runoff diversion caused by the storm drain inlet protection device. Runoff ponded by inlet protection devices may flow around the device and towards the next downstream inlet. In some cases, this is acceptable; in other cases, serious erosion or downstream property damage can be caused by these diversions. The possibility of runoff diversions will influence whether or not storm drain inlet protection is suitable; and, if suitable, the type and design of the device.
- The location and extent of ponding, and the extent of diversion, can usually be controlled through appropriate placement of the inlet protection device. In some cases, moving the inlet protection device a short distance upstream of the actual inlet can provide more efficient sediment control, limit ponding to desired areas, and prevent or control diversions.

- Six types of inlet protection are presented below. However, it is recognized that other effective methods and proprietary devices exist and may be selected.
  - Silt Fence: Appropriate for drainage basins with less than a 5% slope, sheet flows, and flows under 0.5 cfs.
  - Excavated Drop Inlet Sediment Trap: An excavated area around the inlet to trap sediment (SE-3).
  - Gravel bag barrier: Used to create a small sediment trap upstream of inlets on sloped, paved streets. Appropriate for sheet flow or when concentrated flow may exceed 0.5 cfs, and where overtopping is required to prevent flooding.
  - Block and Gravel Filter: Appropriate for flows greater than 0.5 cfs.
  - Temporary Geotextile Storm drain Inserts: Different products provide different features. Refer to manufacturer details for targeted pollutants and additional features.
  - Biofilter Bag Barrier: Used to create a small retention area upstream of inlets and can be located on pavement or soil. Biofilter bags slowly filter runoff allowing sediment to settle out. Appropriate for flows under 0.5 cfs.
- Select the appropriate type of inlet protection and design as referred to or as described in this fact sheet.
- Provide area around the inlet for water to pond without flooding structures and property.
- Grates and spaces around all inlets should be sealed to prevent seepage of sediment-laden water.
- Excavate sediment sumps (where needed) 1 to 2 ft with 2:1 side slopes around the inlet.

Installation

- ***DI Protection Type 1 - Silt Fence*** - Similar to constructing a silt fence; see BMP SE-1, Silt Fence. Do not place fabric underneath the inlet grate since the collected sediment may fall into the drain inlet when the fabric is removed or replaced and water flow through the grate will be blocked resulting in flooding. See typical Type 1 installation details at the end of this fact sheet.
  1. Excavate a trench approximately 6 in. wide and 6 in. deep along the line of the silt fence inlet protection device.
  2. Place 2 in. by 2 in. wooden stakes around the perimeter of the inlet a maximum of 3 ft apart and drive them at least 18 in. into the ground or 12 in. below the bottom of the trench. The stakes should be at least 48 in.
  3. Lay fabric along bottom of trench, up side of trench, and then up stakes. See SE-1, Silt Fence, for details. The maximum silt fence height around the inlet is 24 in.
  4. Staple the filter fabric (for materials and specifications, see SE-1, Silt Fence) to wooden stakes. Use heavy-duty wire staples at least 1 in. in length.

5. Backfill the trench with gravel or compacted earth all the way around.

- ***DI Protection Type 2 - Excavated Drop Inlet Sediment Trap*** - Install filter fabric fence in accordance with DI Protection Type 1. Size excavated trap to provide a minimum storage capacity calculated at the rate 67 yd^3/acre of drainage area. See typical Type 2 installation details at the end of this fact sheet.

- ***DI Protection Type 3 - Gravel bag*** - Flow from a severe storm should not overtop the curb. In areas of high clay and silts, use filter fabric and gravel as additional filter media. Construct gravel bags in accordance with SE-6, Gravel Bag Berm. Gravel bags should be used due to their high permeability. See typical Type 3 installation details at the end of this fact sheet.

  1. Construct on gently sloping street.
  2. Leave room upstream of barrier for water to pond and sediment to settle.
  3. Place several layers of gravel bags – overlapping the bags and packing them tightly together.
  4. Leave gap of one bag on the top row to serve as a spillway. Flow from a severe storm (e.g., 10 year storm) should not overtop the curb.

- ***DI Protection Type 4 – Block and Gravel Filter*** - Block and gravel filters are suitable for curb inlets commonly used in residential, commercial, and industrial construction. See typical Type 4 installation details at the end of this fact sheet.

  1. Place hardware cloth or comparable wire mesh with 0.5 in. openings over the drop inlet so that the wire extends a minimum of 1 ft beyond each side of the inlet structure. If more than one strip is necessary, overlap the strips. Place woven geotextile over the wire mesh.
  2. Place concrete blocks lengthwise on their sides in a single row around the perimeter of the inlet, so that the open ends face outward, not upward. The ends of adjacent blocks should abut. The height of the barrier can be varied, depending on design needs, by stacking combinations of blocks that are 4 in., 8 in., and 12 in. wide. The row of blocks should be at least 12 in. but no greater than 24 in. high.
  3. Place wire mesh over the outside vertical face (open end) of the concrete blocks to prevent stone from being washed through the blocks. Use hardware cloth or comparable wire mesh with 0.5 in. opening.
  4. Pile washed stone against the wire mesh to the top of the blocks. Use 0.75 to 3 in.

- ***DI Protection Type 5 – Temporary Geotextile Insert (proprietary)*** – Many types of temporary inserts are available. Most inserts fit underneath the grate of a drop inlet or inside of a curb inlet and are fastened to the outside of the grate or curb. These inserts are removable and many can be cleaned and reused. Installation of these inserts differs between manufacturers. Please refer to manufacturer instruction for installation of proprietary devices.

- ***DI Protection Type 6 - Biofilter bags*** – Biofilter bags may be used as a substitute for gravel bags in low-flow situations. Biofilter bags should conform to specifications detailed in SE-14, Biofilter bags.

    1. Construct in a gently sloping area.
    2. Biofilter bags should be placed around inlets to intercept runoff flows.
    3. All bag joints should overlap by 6 in.
    4. Leave room upstream for water to pond and for sediment to settle out.
    5. Stake bags to the ground as described in the following detail. Stakes may be omitted if bags are placed on a paved surface.

Costs

- Average annual cost for installation and maintenance of DI Type 1-4 and 6 (one year useful life) is $200 per inlet.
- Temporary geotextile inserts are proprietary and cost varies by region. These inserts can often be reused and may have greater than 1 year of use if maintained and kept undamaged. Average cost per insert ranges from $50-75 plus installation, but costs can exceed $100. This cost does not include maintenance.

Inspection and Maintenance

- BMPs must be inspected in accordance with General Permit requirements for the associated project type and risk level. It is recommended that at a minimum, BMPs be inspected weekly, prior to forecasted rain events, daily during extended rain events, and after the conclusion of rain events.
- Silt Fences. If the fabric becomes clogged, torn, or degrades, it should be replaced. Make sure the stakes are securely driven in the ground and are in good shape (i.e., not bent, cracked, or splintered, and are reasonably perpendicular to the ground). Replace damaged stakes. At a minimum, remove the sediment behind the fabric fence when accumulation reaches one-third the height of the fence or barrier height.
- Gravel Filters. If the gravel becomes clogged with sediment, it should be carefully removed from the inlet and either cleaned or replaced. Since cleaning gravel at a construction site may be difficult, consider using the sediment-laden stone as fill material and put fresh stone around the inlet. Inspect bags for holes, gashes, and snags, and replace bags as needed. Check gravel bags for proper arrangement and displacement.
- Sediment that accumulates in the BMP should be periodically removed in order to maintain BMP effectiveness. Sediment should be removed when the sediment accumulation reaches one-third of the barrier height.
- Inspect and maintain temporary geotextile insert devices according to manufacturer's specifications.
- Remove storm drain inlet protection once the drainage area is stabilized.

- Clean and regrade area around the inlet and clean the inside of the storm drain inlet, as it should be free of sediment and debris at the time of final inspection.

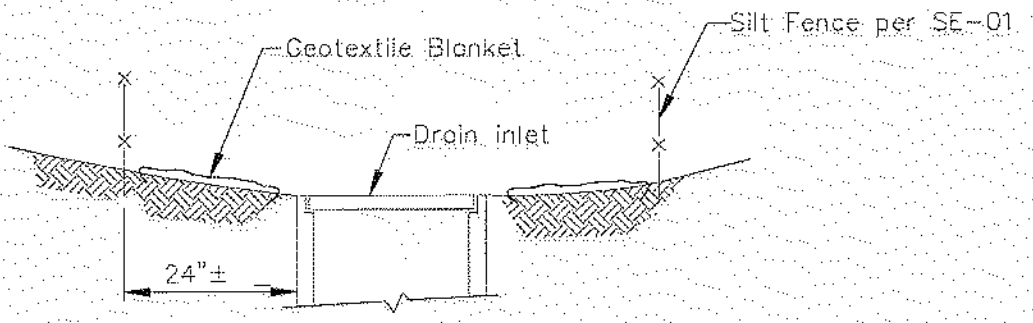
References

Stormwater Quality Handbooks - Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), March 2003.

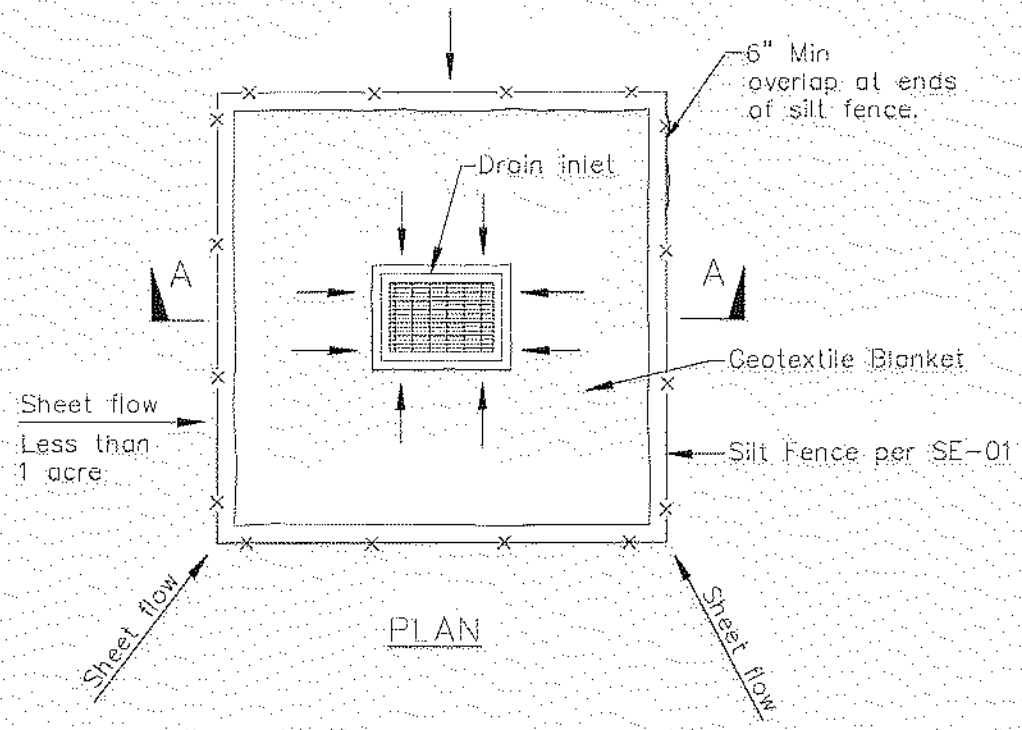
Stormwater Management Manual for The Puget Sound Basin, Washington State Department of Ecology, Public Review Draft, 1991.

Erosion and Sediment Control Manual, Oregon Department of Environmental Quality, February 2005.

Storm Drain Inlet Protection SE-10



SECTION A–A



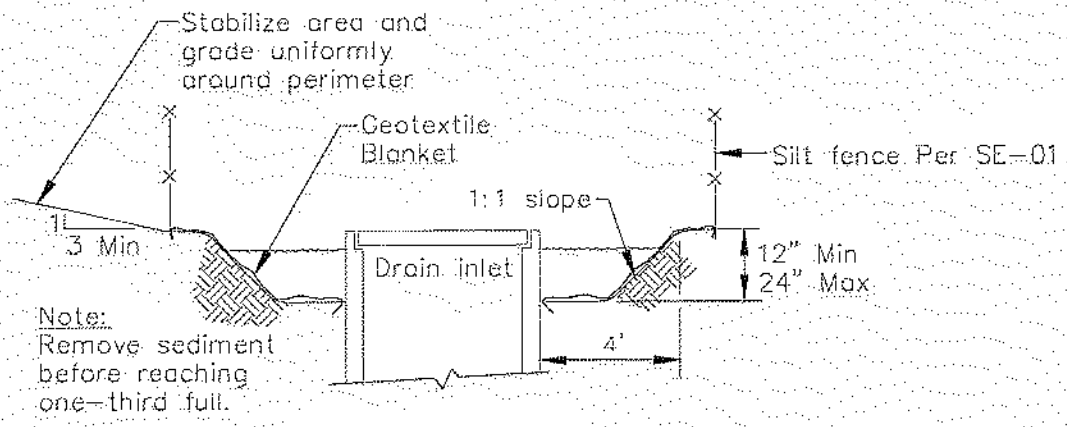
PLAN

DI PROTECTION TYPE 1
NOT TO SCALE

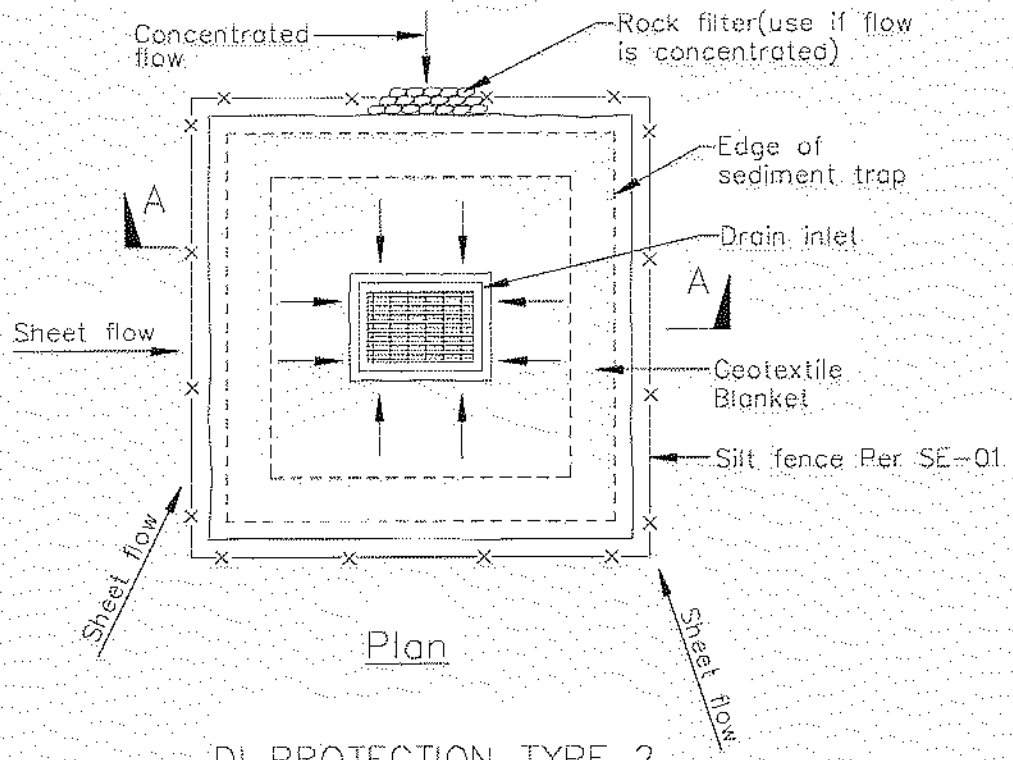
NOTES:

1. For use in areas where grading has been completed and final soil stabilization and seeding are pending.
2. Not applicable in paved areas.
3. Not applicable with concentrated flows.

Storm Drain Inlet Protection SE-10



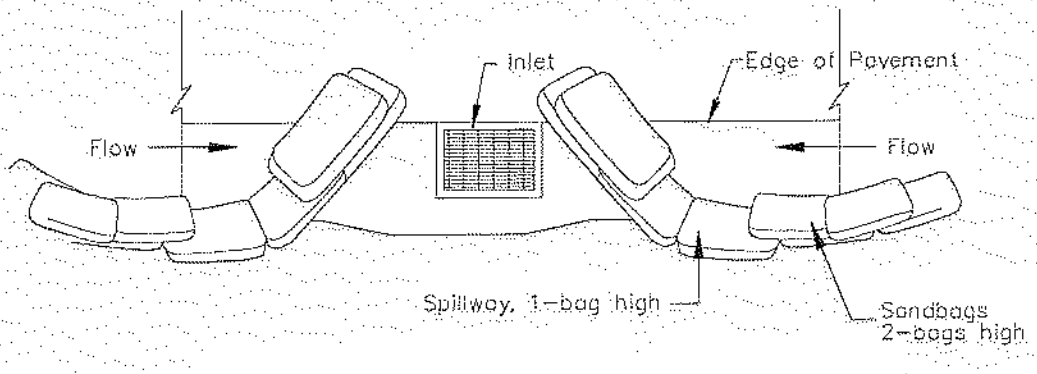
Section A-A



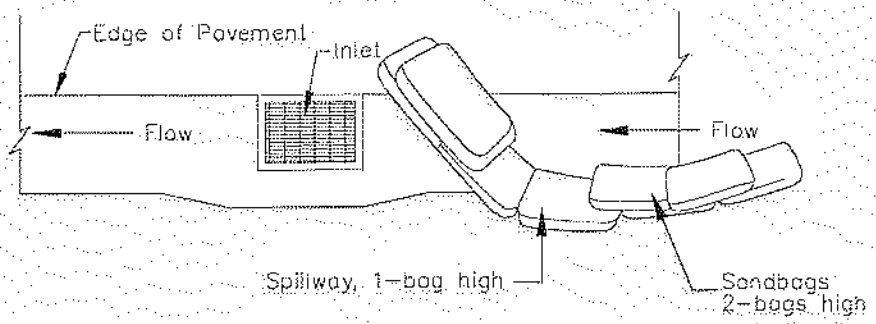
Plan

DI PROTECTION TYPE 2
NOT TO SCALE

Notes
1. For use in cleared and grubbed and in graded areas.
2. Shape basin so that longest inflow area faces longest length of trap.
3. For concentrated flows, shape basin in 2:1 ratio with length oriented towards direction of flow.



TYPICAL PROTECTION FOR INLET ON SUMP

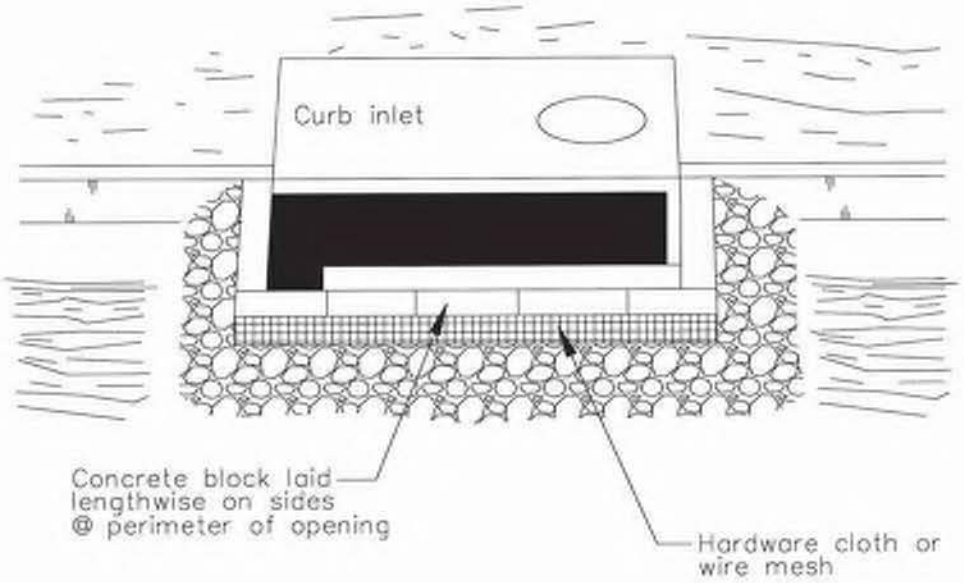


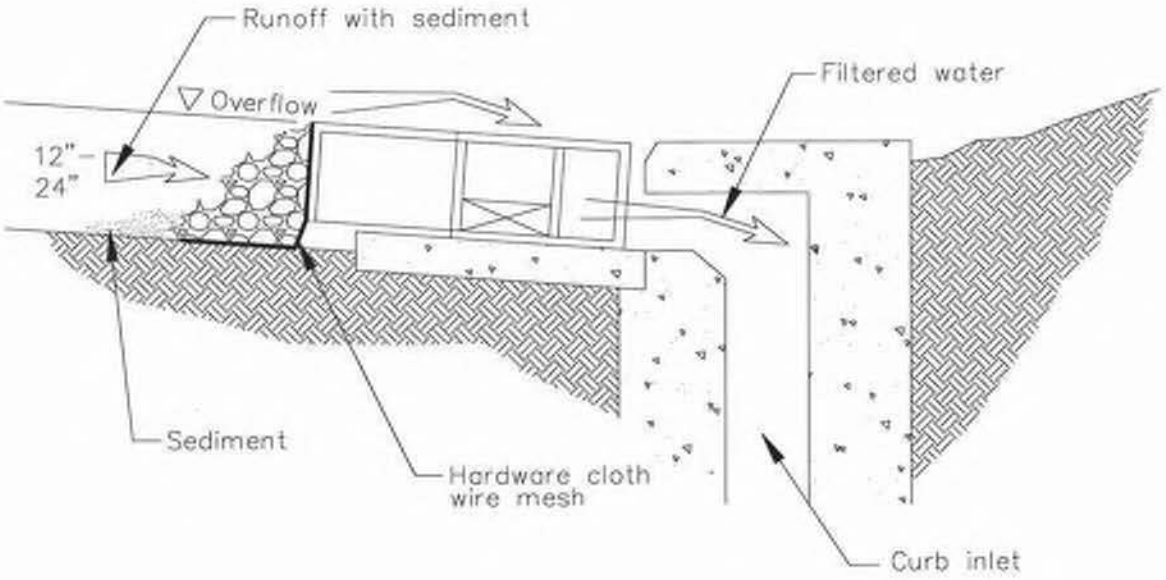
TYPICAL PROTECTION FOR INLET ON GRADE

NOTES:

1. Intended for short-term use.
2. Use to inhibit non-storm water flow.
3. Allow for proper maintenance and cleanup.
4. Bags must be removed after adjacent operation is completed
5. Not applicable in areas with high silts and clays without filter fabric.

DI PROTECTION TYPE 3
NOT TO SCALE





DI PROTECTION – TYPE 4
NOT TO SCALE

Drain Inserts MP-52

Description

Drain inserts are manufactured filters or fabric placed in a drop inlet to remove sediment and debris. There are a multitude of inserts of various shapes and configurations, typically falling into one of three different groups: socks, boxes, and trays. The sock consists of a fabric, usually constructed of polypropylene. The fabric may be attached to a frame or the grate of the inlet holds the sock. Socks are meant for vertical (drop) inlets. Boxes are constructed of plastic or wire mesh. Typically a polypropylene "bag" is placed in the wire mesh box. The bag takes the form of the box. Most box products are one box; that is, the setting area and filtration through media occur in the same box. Some products consist of one or more trays or mesh grates. The trays may hold different types of media. Filtration media vary by manufacturer. Types include polypropylene, porous polymer, treated cellulose, and activated carbon.

California Experience

The number of installations is unknown but likely exceeds a thousand. Some users have reported that these systems require considerable maintenance to prevent plugging and bypass.

Advantages

- Does not require additional space as inserts as the drain inlets are already a component of the standard drainage systems.
- Easy access for inspection and maintenance.
- As there is no standing water, there is little concern for mosquito breeding.
- A relatively inexpensive retrofit option.

Limitations

Performance is likely significantly less than treatment systems that are located at the end of the drainage system such as ponds and vaults. Usually not suitable for large areas or areas with trash or leaves than can plug the insert.

Design and Sizing Guidelines

Refer to manufacturer's guidelines. Drain inserts come any many configurations but can be placed into three general groups: socks, boxes, and trays. The sock consists of a fabric, usually constructed of polypropylene. The fabric may be attached to a frame or the grate of the inlet holds the sock. Socks are meant for vertical (drop) inlets. Boxes are constructed of plastic or wire mesh. Typically a polypropylene "bag" is placed in the wire mesh box. The bag takes the form of the box. Most box products are

Design Considerations

- Use with other BMPs
- Fit and Seal Capacity within Inlet

Targeted Constituents

- ✓ Sediment
- ✓ Nutrients
- ✓ Trash
- ✓ Metals
- Bacteria
- ✓ Oil and Grease
- ✓ Organics

Removal Effectiveness

See New Development and Redevelopment Handbook-Section 5.

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one box; that is, the setting area and filtration through media occurs in the same box. One manufacturer has a double-box. Stormwater enters the first box where setting occurs. The stormwater flows into the second box where the filter media is located. Some products consist of one or more trays or mesh grates. The trays can hold different types of media. Filtration media vary with the manufacturer: types include polypropylene, porous polymer, treated cellulose, and activated carbon.

Construction/Inspection Considerations

Be certain that installation is done in a manner that makes certain that the stormwater enters the unit and does not leak around the perimeter. Leakage between the frame of the insert and the frame of the drain inlet can easily occur with vertical (drop) inlets.

Performance

Few products have performance data collected under field conditions.

Siting Criteria

It is recommended that inserts be used only for retrofit situations or as pretreatment where other treatment BMPs presented in this section area used.

Additional Design Guidelines

Follow guidelines provided by individual manufacturers.

Maintenance

Likely require frequent maintenance, on the order of several times per year.

Cost

- The initial cost of individual inserts ranges from less than $100 to about $2,000. The cost of using multiple units in curb inlet drains varies with the size of the inlet.
- The low cost of inserts may tend to favor the use of these systems over other, more effective treatment BMPs. However, the low cost of each unit may be offset by the number of units that are required, more frequent maintenance, and the shorter structural life (and therefore replacement).

References and Sources of Additional Information

Hrachovec, R., and G. Minton, 2001, Field testing of a sock-type catch basin insert, Planet CPR, Seattle, Washington

Interagency Catch Basin Insert Committee, Evaluation of Commercially-Available Catch Basin Inserts for the Treatment of Stormwater Runoff from Developed Sites, 1995

Larry Walker Associates, June 1998, NDMP Inlet/In-Line Control Measure Study Report

Manufacturers literature

Santa Monica (City), Santa Monica Bay Municipal Stormwater/Urban Runoff Project - Evaluation of Potential Catch basin Retrofits, Woodward Clyde, September 24, 1998

Woodward Clyde, June 11, 1996, Parking Lot Monitoring Report, Santa Clara Valley Nonpoint Source Pollution Control Program.

Infiltration Basin TC-11



Design Considerations

- Soil for Infiltration
- Slope
- Aesthetics

Targeted Constituents

☑	Sediment	■
☑	Nutrients	■
☑	Trash	■
☑	Metals	■
☑	Bacteria	■
☑	Oil and Grease	■
☑	Organics	■

Legend *(Removal Effectiveness)*

● Low ■ High

▲ Medium

Description

An infiltration basin is a shallow impoundment that is designed to infiltrate stormwater. Infiltration basins use the natural filtering ability of the soil to remove pollutants in stormwater runoff. Infiltration facilities store runoff until it gradually exfiltrates through the soil and eventually into the water table. This practice has high pollutant removal efficiency and can also help recharge groundwater, thus helping to maintain low flows in stream systems. Infiltration basins can be challenging to apply on many sites, however, because of soils requirements. In addition, some studies have shown relatively high failure rates compared with other management practices.

California Experience

Infiltration basins have a long history of use in California, especially in the Central Valley. Basins located in Fresno were among those initially evaluated in the National Urban Runoff Program and were found to be effective at reducing the volume of runoff, while posing little long-term threat to groundwater quality (EPA, 1983; Schroeder, 1995). Proper siting of these devices is crucial as underscored by the experience of Caltrans in siting two basins in Southern California. The basin with marginal separation from groundwater and soil permeability failed immediately and could never be rehabilitated.

Advantages

- Provides 100% reduction in the load discharged to surface waters.
- The principal benefit of infiltration basins is the approximation of pre-development hydrology during which a

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significant portion of the average annual rainfall runoff is infiltrated and evaporated rather than flushed directly to creeks.

- If the water quality volume is adequately sized, infiltration basins can be useful for providing control of channel forming (erosion) and high frequency (generally less than the 2-year) flood events.

Limitations

- May not be appropriate for industrial sites or locations where spills may occur.
- Infiltration basins require a minimum soil infiltration rate of 0.5 inches/hour, not appropriate at sites with Hydrologic Soil Types C and D.
- If infiltration rates exceed 2.4 inches/hour, then the runoff should be fully treated prior to infiltration to protect groundwater quality.
- Not suitable on fill sites or steep slopes.
- Risk of groundwater contamination in very coarse soils.
- Upstream drainage area must be completely stabilized before construction.
- Difficult to restore functioning of infiltration basins once clogged.

Design and Sizing Guidelines

- Water quality volume determined by local requirements or sized so that 85% of the annual runoff volume is captured.
- Basin sized so that the entire water quality volume is infiltrated within 48 hours.
- Vegetation establishment on the basin floor may help reduce the clogging rate.

Construction/Inspection Considerations

- Before construction begins, stabilize the entire area draining to the facility. If impossible, place a diversion berm around the perimeter of the infiltration site to prevent sediment entrance during construction or remove the top 2 inches of soil after the site is stabililized. Stabilize the entire contributing drainage area, including the side slopes, before allowing any runoff to enter once construction is complete.
- Place excavated material such that it can not be washed back into the basin if a storm occurs during construction of the facility.
- Build the basin without driving heavy equipment over the infiltration surface. Any equipment driven on the surface should have extra-wide ("low pressure") tires. Prior to any construction, rope off the infiltration area to stop entrance by unwanted equipment.
- After final grading, till the infiltration surface deeply.
- Use appropriate erosion control seed mix for the specific project and location.

Performance

As water migrates through porous soil and rock, pollutant attenuation mechanisms include precipitation, sorption, physical filtration, and bacterial degradation. If functioning properly, this approach is presumed to have high removal efficiencies for particulate pollutants and moderate removal of soluble pollutants. Actual pollutant removal in the subsurface would be expected to vary depending upon site-specific soil types. This technology eliminates discharge to surface waters except for the very largest storms; consequently, complete removal of all stormwater constituents can be assumed.

There remain some concerns about the potential for groundwater contamination despite the findings of the NURP and Nightingale (1975; 1987a,b,c; 1989). For instance, a report by Pitt et al. (1994) highlighted the potential for groundwater contamination from intentional and unintentional stormwater infiltration. That report recommends that infiltration facilities not be sited in areas where high concentrations are present or where there is a potential for spills of toxic material. Conversely, Schroeder (1995) reported that there was no evidence of groundwater impacts from an infiltration basin serving a large industrial catchment in Fresno, CA.

Siting Criteria

The key element in siting infiltration basins is identifying sites with appropriate soil and hydrogeologic properties, which is critical for long term performance. In one study conducted in Prince George's County, Maryland (Galli, 1992), all of the infiltration basins investigated clogged within 2 years. It is believed that these failures were for the most part due to allowing infiltration at sites with rates of less than 0.5 in/hr, basing siting on soil type rather than field infiltration tests, and poor construction practices that resulted in soil compaction of the basin invert.

A study of 23 infiltration basins in the Pacific Northwest showed better long-term performance in an area with highly permeable soils (Hilding, 1996). In this study, few of the infiltration basins had failed after 10 years. Consequently, the following guidelines for identifying appropriate soil and subsurface conditions should be rigorously adhered to.

- Determine soil type (consider RCS soil type 'A, B or C' only) from mapping and consult USDA soil survey tables to review other parameters such as the amount of silt and clay, presence of a restrictive layer or seasonal high water table, and estimated permeability. The soil should not have more than 30% clay or more than 40% of clay and silt combined. Eliminate sites that are clearly unsuitable for infiltration.

- Groundwater separation should be at least 3 m from the basin invert to the measured ground water elevation. There is concern at the state and regional levels of the impact on groundwater quality from infiltrated runoff, especially when the separation between groundwater and the surface is small.

- Location away from buildings, slopes and highway pavement (greater than 6 m) and wells and bridge structures (greater than 30 m). Sites constructed of fill, having a base flow or with a slope greater than 15% should not be considered.

- Ensure that adequate head is available to operate flow splitter structures (to allow the basin to be offline) without ponding in the splitter structure or creating backwater upstream of the splitter.

- Base flow should not be present in the tributary watershed.

Secondary Screening Based on Site Geotechnical Investigation

- At least three in-hole conductivity tests shall be performed using USBR 7300-89 or Bouwer-Rice procedures (the latter if groundwater is encountered within the boring), two tests at different locations within the proposed basin and the third down gradient by no more than approximately 10 m. The tests shall measure permeability in the side slopes and the bed within a depth of 3 m of the invert.

- The minimum acceptable hydraulic conductivity as measured in any of the three required test holes is 13 mm/hr. If any test hole shows less than the minimum value, the site should be disqualified from further consideration.

- Exclude from consideration sites constructed in fill or partially in fill unless no silts or clays are present in the soil boring. Fill tends to be compacted, with clays in a dispersed rather than flocculated state, greatly reducing permeability.

- The geotechnical investigation should be such that a good understanding is gained as to how the stormwater runoff will move in the soil (horizontally or vertically) and if there are any geological conditions that could inhibit the movement of water.

Additional Design Guidelines

(1) Basin Sizing - The required water quality volume is determined by local regulations or sufficient to capture 85% of the annual runoff.

(2) Provide pretreatment if sediment loading is a maintenance concern for the basin.

(3) Include energy dissipation in the inlet design for the basins. Avoid designs that include a permanent pool to reduce opportunity for standing water and associated vector problems.

(4) Basin invert area should be determined by the equation:

$$A = \frac{WQV}{kt}$$

where A = Basin invert area (m^2)

WQV = water quality volume (m^3)

k = 0.5 times the lowest field-measured hydraulic conductivity (m/hr)

t = drawdown time (48 hr)

(5) The use of vertical piping, either for distribution or infiltration enhancement shall not be allowed to avoid device classification as a Class V injection well per 40 CFR146.5(e)(4).

Maintenance

Regular maintenance is critical to the successful operation of infiltration basins. Recommended operation and maintenance guidelines include:

- Inspections and maintenance to ensure that water infiltrates into the subsurface completely (recommended infiltration rate of 72 hours or less) and that vegetation is carefully managed to prevent creating mosquito and other vector habitats.
- Observe drain time for the design storm after completion or modification of the facility to confirm that the desired drain time has been obtained.
- Schedule semiannual inspections for beginning and end of the wet season to identify potential problems such as erosion of the basin side slopes and invert, standing water, trash and debris, and sediment accumulation.
- Remove accumulated trash and debris in the basin at the start and end of the wet season.
- Inspect for standing water at the end of the wet season.
- Trim vegetation at the beginning and end of the wet season to prevent establishment of woody vegetation and for aesthetic and vector reasons.
- Remove accumulated sediment and regrade when the accumulated sediment volume exceeds 10% of the basin.
- If erosion is occurring within the basin, revegetate immediately and stabilize with an erosion control mulch or mat until vegetation cover is established.
- To avoid reversing soil development, scarification or other disturbance should only be performed when there are actual signs of clogging, rather than on a routine basis. Always remove deposited sediments before scarification, and use a hand-guided rotary tiller, if possible, or a disc harrow pulled by a very light tractor.

Cost

Infiltration basins are relatively cost-effective practices because little infrastructure is needed when constructing them. One study estimated the total construction cost at about $2 per ft (adjusted for inflation) of storage for a 0.25-acre basin (SWRPC, 1991). As with other BMPs, these published cost estimates may deviate greatly from what might be incurred at a specific site. For instance, Caltrans spent about $18/ft^3 for the two infiltration basins constructed in southern California, each of which had a water quality volume of about 0.34 ac.-ft. Much of the higher cost can be attributed to changes in the storm drain system necessary to route the runoff to the basin locations.

Infiltration basins typically consume about 2 to 3% of the site draining to them, which is relatively small. Additional space may be required for buffer, landscaping, access road, and fencing. Maintenance costs are estimated at 5 to 10% of construction costs.

One cost concern associated with infiltration practices is the maintenance burden and longevity. If improperly maintained, infiltration basins have a high failure rate. Thus, it may be necessary to replace the basin with a different technology after a relatively short period of time.

References and Sources of Additional Information

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Hilding, K. 1996. Longevity of infiltration basins assessed in Puget Sound. *Watershed Protection Techniques* 1(3):124–125.

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Schroeder, R.A., 1995, *Potential For Chemical Transport Beneath a Storm-Runoff Recharge (Retention) Basin for an Industrial Catchment in Fresno, CA*, USGS Water-Resource Investigations Report 93-4140.

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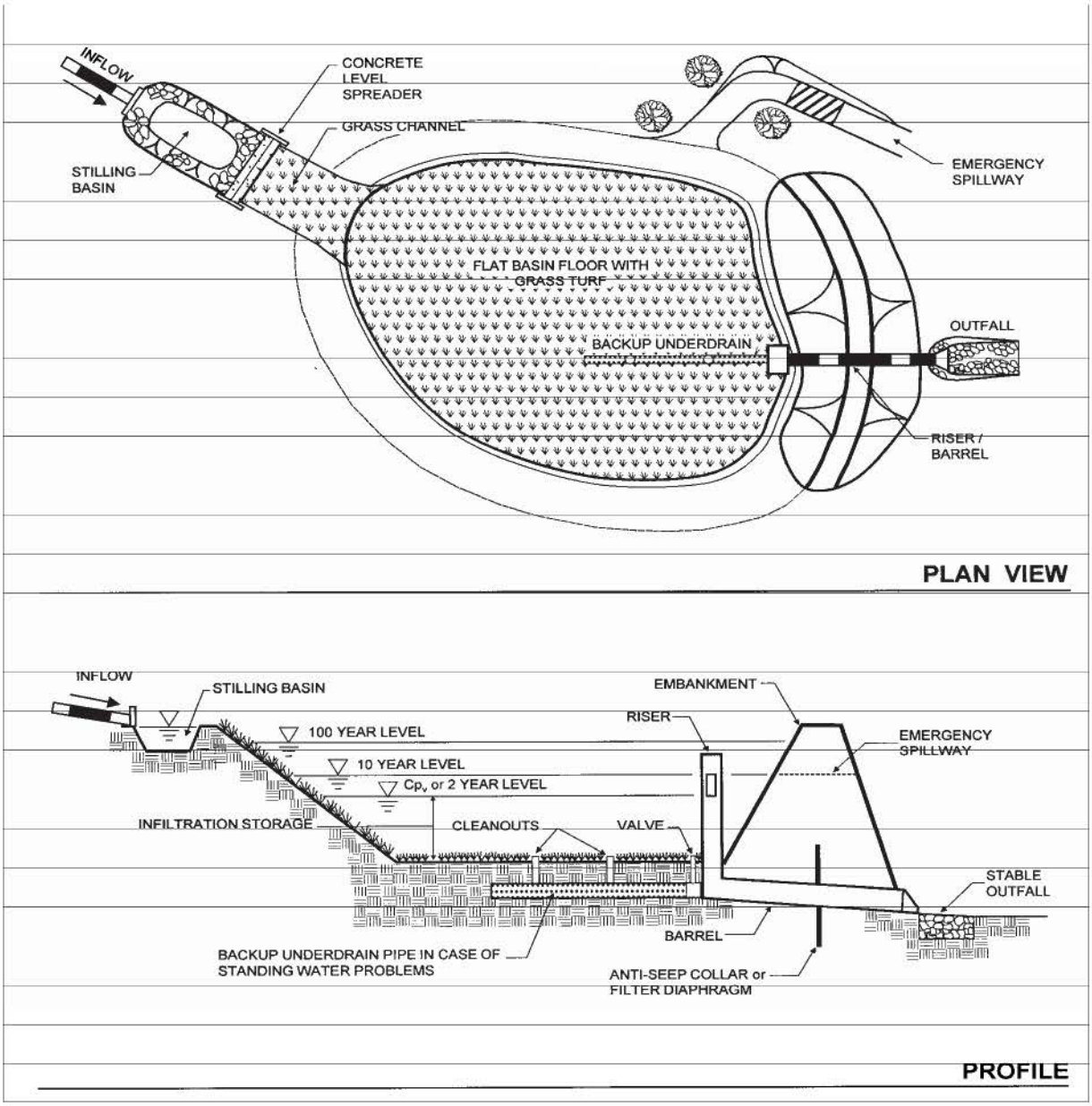
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Information Resources

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INFLOW
CONCRETE LEVEL SPREADER
GRASS CHANNEL
STILLING BASIN
EMERGENCY SPILLWAY
FLAT BASIN FLOOR WITH GRASS TURF
OUTFALL
BACKUP UNDERDRAIN
RISER / BARREL
PLAN VIEW
INFLOW
STILLING BASIN
EMBANKMENT
RISER
100 YEAR LEVEL
EMERGENCY SPILLWAY
10 YEAR LEVEL
Cpv or 2 YEAR LEVEL
INFILTRATION STORAGE
CLEANOUTS
VALVE
STABLE OUTFALL
BARREL
BACKUP UNDERDRAIN PIPE IN CASE OF STANDING WATER PROBLEMS
ANTI-SEEP COLLAR or FILTER DIAPHRAGM
PROFILE

XIV.1. Hydrologic Source Control Fact Sheets (HSC)

HSC-1: Localized On-Lot Infiltration

'Localized on-lot infiltration' refers to the practice of collecting on-site runoff from small distributed areas within a catchment and diverting it to a dedicated on-site infiltration area. This technique can include disconnecting downspouts and draining sidewalks and patios into french drains, trenches, small rain gardens, or other surface depressions. For downspout disconnections and other impervious area disconnection involving dispersion over pervious surfaces, but without intentional ponding, see HSC-2: Impervious Area Dispersion.

Also known as:

- *Downspout infiltration*
- *Retention grading*
- *French drains*
- *On-lot rain gardens*



On-lot rain garden
Source: lowimpactdevelopment.org

Feasibility Screening Considerations

- 'Localized on-lot infiltration' shall meet infiltration infeasibility screening criteria to be considered for use.

Opportunity Criteria

- Runoff can be directed to and temporarily pond in pervious area depressions, rock trenches, or similar.
- Soils are adequate for infiltration or can be amended to provide an adequate infiltration rate.
- Shallow utilities are not present below infiltration areas.

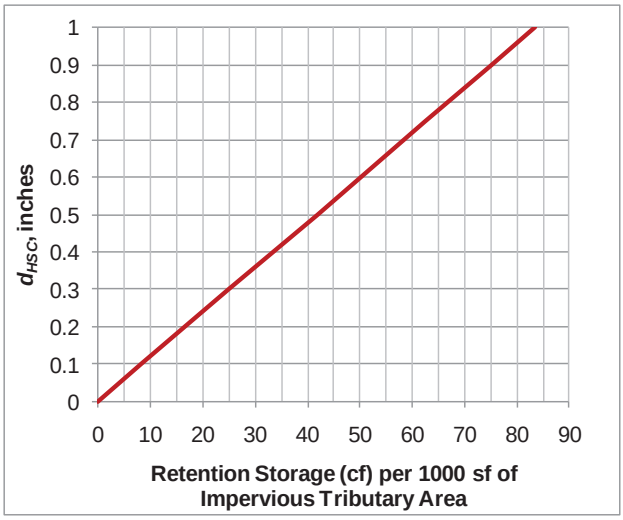
OC-Specific Design Criteria and Considerations

- ☐ A single on-lot infiltration area should not be sized to retain runoff from impervious areas greater than 4,000 sq. ft.; if the drainage area exceeds this criteria, sizing should be based on calculations for bioretention areas or infiltration trenches.
- ☐ Soils should be sufficiently permeable to eliminate ponded water within 24 hours following a 85th percentile, 24-hour storm event.
- ☐ Maximum ponding depth should be should be less than 3 inches and trench depth should be less than 1.5 feet.
- ☐ Infiltration should not be used when the depth to the mounded seasonally high table is within 5 feet of the bottom of infiltrating surface.
- ☐ Infiltration via depression storage, french drains, or rain gardens should be located greater than 8 feet from building foundations.
- ☐ Site slope should be less than 10%.
- ☐ Infiltration unit should not be located within 50 feet of slopes greater than 15 percent.
- ☐ Side slopes of rain garden or depression storage should not exceed 3H:1V.
- ☐ Effective energy dissipation and uniform flow spreading methods should be employed to prevent erosion resulting fromwater entering infiltration areas.

☐ Overflow should be located such that it does not cause erosion orand is conveyed away from structures toward the downstream conveyance and treatment system. .

Calculating HSC Retention Volume

- The retention volume provided by localized on-lot infiltration can be computed as the storage volume provided by surface ponding and the pore space within an amended soil layer or gravel trench.
- Estimate the average retention volume per 1000 square feet impervious tributary area provided by on-lot infiltration.
- Look up the storm retention depth, d_{HSC} from the chart to the right.
- The max d_{HSC} is equal to the design capture storm depth for the project site.



Configuration for Use in a Treatment Train

- Localized on-lot infiltration would typically serve as the first in a treatment train and should only be used where tributary areas do not generate significant sediment that would require pretreatment to mitigate clogging.
- The use of impervious area disconnection reduces the sizing requirement for downstream LID and/or conventional treatment control BMPs.

Additional References for Design Guidance

- LID Center – Rain Garden Design Template. http://www.lowimpactdevelopment.org/raingarden_design/
- University of Wisconsin Extension. Rain Gardens: A How-To Manual for Homeowners. http://learningstore.uwex.edu/assets/pdfs/GWQ037.pdf

HSC-2: Impervious Area Dispersion

Also known as:

- *Downspout disconnection*
- *Impervious area disconnection*
- *Sheet flow dispersion*

Impervious area dispersion refers to the practice of routing runoff from impervious areas, such as rooftops, walkways, and patios onto the surface of adjacent pervious areas. Runoff is dispersed uniformly via splash block or dispersion trench and soaks into the ground as it move slowly across the surface of pervious areas. Minor ponding may occur, but it is not the intent of this practice to actively promote localized on-lot storage (See HSC-1: Localized On-Lot Infiltration).



Simple Downspout Dispersion
Source: toronto.ca/environment/water.htm

Feasibility Screening Considerations

- Impervious area dispersion can be used where infiltration would otherwise be infeasible, however dispersion depth over landscaped areas should be limited by site-specific conditions to prevent standing water or geotechnical issues.

Opportunity Criteria

- Rooftops and other low traffic impervious surface present in drainage area.
- Soils are adequate for infiltration. If not, soils can be amended to improve capacity to absorb dispersed water (see MISC-2: Amended Soils).
- Significant pervious area present in drainage area with shallow slope
- Overflow from pervious area can be safely managed.

OC-Specific Design Criteria and Considerations

- ☐ Soils should be preserved from their natural condition or restored via soil amendments to meet minimum criteria described in Section .
- ☐ A minimum of 1 part pervious area capable of receiving flow should be provided for every 2 parts of impervious area disconnected.
- ☐ The pervious area receiving flow should have a slope ≤ 2 percent and path lengths of ≥ 20 feet per 1000 sf of impervious area.
- ☐ Dispersion areas should be maintained to remove trash and debris, loose vegetation, and protect any areas of bare soil from erosion.
- ☐ Velocity of dispersed flow should not be greater than 0.5 ft per second to avoid scour.

Calculating HSC Retention Volume

- The retention volume provided by downspout dispersion is a function of the ratio of impervious to pervious area and the condition of soils in the pervious area.
- Determine flow patterns in pervious area and estimate footprint of pervious area receiving dispersed flow. Calculate the ratio of pervious to impervious area.
- Check soil conditions using the soil condition design criteria below; amend if necessary.
- Look up the storm retention depth, d_{HSC} from the chart below.

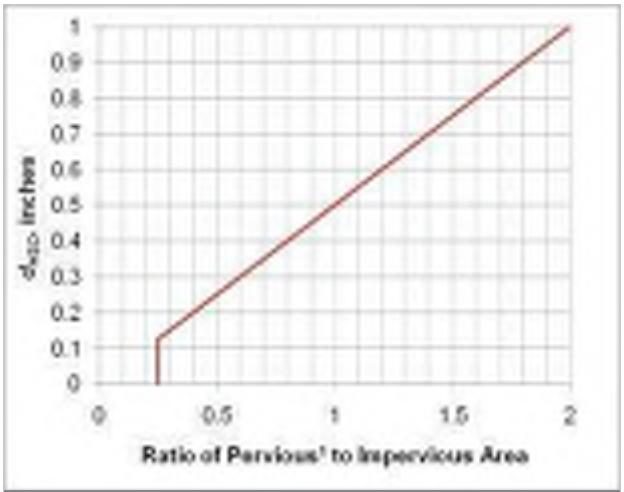
- The max d_{HSC} is equal to the design storm depth for the project site.

Soil Condition Design Criteria

- ☐ Maximum slope of 2 percent
- ☐ Well-established lawn or landscaping
- ☐ Minimum soil amendments per criteria in MISC-2: Amended Soils.

Configuration for Use in a Treatment Train

- Impervious area disconnection is an HSC that may be used as the first element in any treatment train
- The use of impervious area disconnection reduces the sizing requirement for downstream LID and/or treatment control BMPs



[1] Pervious area used in calculation should only include the pervious area receiving flow, not pervious area receiving only direct rainfall or upslope pervious drainage.

Additional References for Design Guidance

- SMC LID Manual (pp 131) http://www.lowimpactdevelopment.org/guest75/pub/All_Projects/SoCal_LID_Manual/SoCalLID_Manual_FINAL_040910.pdf
- City of Portland Bureau of Environmental Services. 2010. How to manage stormwater – Disconnect Downspouts. http://www.portlandonline.com/bes/index.cfm?c=43081&a=177702
- Seattle Public Utility: http://www.cityofseattle.org/util/stellent/groups/public/@spu/@usm/documents/webcontent/spu01_006395.pdf
- Thurston County, Washington State (pp 10): http://www.co.thurston.wa.us/stormwater/manual/docs-faqs/DG-5-Roof-Runoff-Control_Rev11Jan24.pdf

HSC-3: Street Trees

By intercepting rainfall, trees can provide several aesthetic and stormwater benefits including peak flow control, increased infiltration and ET, and runoff temperature reduction. The volume of precipitation intercepted by the canopy reduces the treatment volume required for downstream treatment BMPs. Shading reduces the heat island effect as well as the temperature of adjacent impervious surfaces, over which stormwater flows, and thus reduces the heat transferred to downstream receiving waters. Tree roots also strengthen the soil structure and provide infiltrative pathways, simultaneously reducing erosion potential and enhancing infiltration.

Also known as:

- *Canopy interception*



Street trees
Source: Geosyntec Consultants

Feasibility Screening Considerations

- Not applicable

Opportunity Criteria

- Street trees can be incorporated in green streets designs along sidewalks, streets, parking lots, or driveways.
- Street trees can be used in combination with bioretention systems along medians or in traffic calming bays.
- There must be sufficient space available to accommodate both the tree canopy and root system.

OC-Specific Design Criteria and Considerations

☐ Mature tree canopy, height, and root system should not interfere with subsurface utilities, suspended powerlines, buildings and foundations, or other existing or planned structures. Required setbacks should be adhered to.

☐ Depending on space constarints, a 20 to 30 foot diameter canopy (at maturity) is recommended for stormwater mitigation.

☐ Native, drought-tolerant species should be selected in order to minimize irrigation requirements and improve the long-term viability of trees.

☐ Trees should not impede pedstrian or vehicle sight lines.

☐ Planting locations should receive adequate sunlight and wind protection; other environmental factors should be considered prior to planting.

☐ Frequency and degree of vegetation management and maintenance should be considered with respect to owner capabilities (e.g., staffing, funding, etc.).

☐ Soils should be preserved in their natural condition (if appropriate for planting) or restored via soil amendments to meet minimum criteria described in MISC-2: Amended Soils. If necessary, a landscape architect or plant biologist should be consulted.

☐ A street tree selection guide, such as that specific to the City of Los Angeles, may need to be consulted to select species appropriate for the site design constraints (e.g., parkway size, tree height, canopy spread, etc.)

☐ Infiltration should not cause geotechnical hazards related to adjacent structures (buildings,

roadways, sidewalks, utilities, etc.)

Calculating HSC Retention Volume

- The retention volume provided by streets trees via canopy interception is dependent on the tree species, time of the year, and maturity.
- To compute the retention depth, the expected impervious area covered by the full tree canopy after 4 years of growth must be computed (IA_{HSC}). The maximum retention depth credit for canopy interception (d_{HSC}) is 0.05 inches over the area covered by the canopy at 4 years of growth.

Configuration for Use in a Treatment Train

- As a HSC, street trees would serve as the first step in a treatment train by reducing the treatment volume and flow rate of a downstream treatment BMP.

Additional References for Design Guidance

- California Stormwater BMP Handbook.
  http://www.cabmphandbooks.com/Documents/Development/Section_3.pdf
- City of Los Angeles, Street Tree Division - Street Tree Selection Guide.
  http://bss.lacity.org/UrbanForestryDivision/StreetTreeSelectionGuide.htm
- Portland Stormwater Management Manual.
  http://www.portlandonline.com/bes/index.cfm?c=35122&a=55791
- San Diego County – Low Impact Development Fact Sheets.
  http://www.sdcounty.ca.gov/dplu/docs/LID-Appendices.pdf

Attachment D

EPA Class V Injection Well Registration

Infiltration Report

Factor of Safety Worksheet H

Gonzales, Manuel

From: Gonzales, Manuel
Sent: Thursday, September 29, 2022 4:13 PM
To: kerpel.judith@epa.gov
Cc: kevin@patriotdevelopmentpartners.com
Subject: RE: USEPA UIC notification regarding: CA-20220929-JK-2610: 5th at Victoria CMP Underground Infiltration System, Highland, CA, 92346

Received. Thank you.

Manuel (Manny) Gonzales, PE, QSP/QSD
Office 909.941.7799; Ext. 11450
Cell 951.463.1948

-----Original Message-----
From: kerpel.judith@epa.gov <kerpel.judith@epa.gov>
Sent: Thursday, September 29, 2022 3:59 PM
To: Gonzales, Manuel <mgonzales@Huitt-Zollars.com>
Cc: kevin@patriotdevelopmentpartners.com
Subject: USEPA UIC notification regarding: CA-20220929-JK-2610: 5th at Victoria CMP Underground Infiltration System, Highland, CA, 92346

Total Wells: 1
1 - Under Construction - 5D2 Stormwater Drainage - as of 09/29/2022

Thank you for submitting inventory data for the above-referenced facility with its injection ID. Here is a copy of data received. Please reply if the data was received or transcribed in error.
This notice authorizes only the planned discharge listed. Please update this registration when this well is active to receive our authorization to inject uncontaminated water only.
Any change of use or ownership of the well, or any new injection, requires notification to EPA. For more information, please see also the regulations beginning at 40 CFR 144.

Judy Kerpel
US EPA Region 9

-Facility
5th at Victoria CMP Underground Infiltration System
26530 3rd St
Highland, CA 92346

GIS: 34.1081, -117.2259
UIC File ID: CA-20220929-JK-2610
Tribal Land: No
Ownership: Private - Business or other for-profits

-Contacts
---Contact Type: PRIMARY OWNER
Kevin Rice

NorCal Engineering

Soils and Geotechnical Consultants
Los Alamitos, California 90720
(562)799-9469 Fax (562)799-9459

October 26, 2022

Project Number 23312-22

Patriot Partners
12126 W. Sunset Boulevard
Los Angeles, California 90049-4145

Attn: Kevin Rice

RE: **Response to City Civil Plan Check Review** - Proposed Industrial Warehouse Development - Located at the Southeast Corner of Victoria Avenue and 5th Street, in the City of Highland, California

Dear Mr. Rice:
Submitted herewith is our response to the recent "City of Highland Engineering Department First Review Comments" dated September 23, 2022 for the above referenced project. The following items are addressed below.

Response to Comment No. 3
The infiltration rate calculations given in our previous report, dated June 9, 2022 were from field test measurements in four test holes. The water level drop in the inner and outer rings were recorded at 12 time intervals in each hole. The seepage rate for each hole was computed and the results plotted graphically, as given in Appendix A. Our previous infiltration rate calculations are accurate and the time recommended value was obtained by averaging the last 6 readings in each hole.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING

Keith D. Tucker
Project Engineer
R.G.E. 841

REGISTERED PROFESSIONAL ENGINEER
KEITH D. TUCKER
No. 841
Exp. 12/31/2022
GEOTECHNICAL
STATE OF CALIFORNIA

Mike Barone
Project Manager

CASC
Engineering and Consulting

1470 E. Cooley Drive
Colton, CA 92324
Office: 909.783.0101
Fax: 909.783.0108

September 23, 2022

Transmitted via E-Mail

Matt Bennett
Assistant Public Works Director
CITY OF HIGHLAND
ENGINEERING DEPARTMENT
27215 Base Line
Highland, CA 92346

Subject: **First Review Comments – Conceptual Water Quality Management Plan (C-WQMP) for 5th at Victoria Industrial - Highland**
Project No. WQP22-009 (3082.31)

Dear Mr. Bennett:

CASC Engineering and Consulting (CASC), as a consultant to the City of Highland, has performed a first review of the Conceptual Water Quality Management Plan (C-WQMP) prepared by Huitt-Zollars, Inc. (Preparer) for WQP22-009 (3082.31) 5th at Victoria Industrial (Project) located at the southeast corner of 5th Street and Victoria Avenue and submitted by Patriot Development Partners (Applicant). The C-WQMP is not ready to be recommended for acceptance based on the findings enumerated herein:

Review Comments

1. The C-WQMP mentions improvements to Victoria Avenue and 5th Street that will require stormwater BMPs. Clearly identify the drainage areas for on-site and off-site improvements on the WQMP site plan.
2. Provide a copy of the conceptual grading plan, storm drain plan, street plan, and drainage report.
3. Revise the infiltration rate calculations in the geotechnical report per ASTM D3385. The infiltration rates in the report were not calculated per ASTM D3385.
4. Describe in the WQMP if the proposed underground infiltration system is for water quality (DCV) purposes only or is to also serve as a mitigating device to limit outflows (increased runoff mitigation). See redlines.
5. Provide calculations for sizing the proposed CDS units to meet trash amendment requirements. See redlines.
6. The proposed underground infiltration system will require registration with the EPA as a Class V Injection Well.
7. Address all redline comments.

Please review and forward to the preparer. If there are any questions regarding this review, please contact me at your earliest convenience.

Best regards,
CASC Engineering and Consulting

Digitally signed by Michael J. Gentile, PE
Date: 2022.09.23 10:29:36 -07'00'

Michael J. Gentile, P.E., QSD
Senior Engineer

RECEIVED
SEP 28 2022
ENGINEERING DEPT

Enclosures: Conceptual WQMP
cc: Jay Tuttle IV, City of Highland

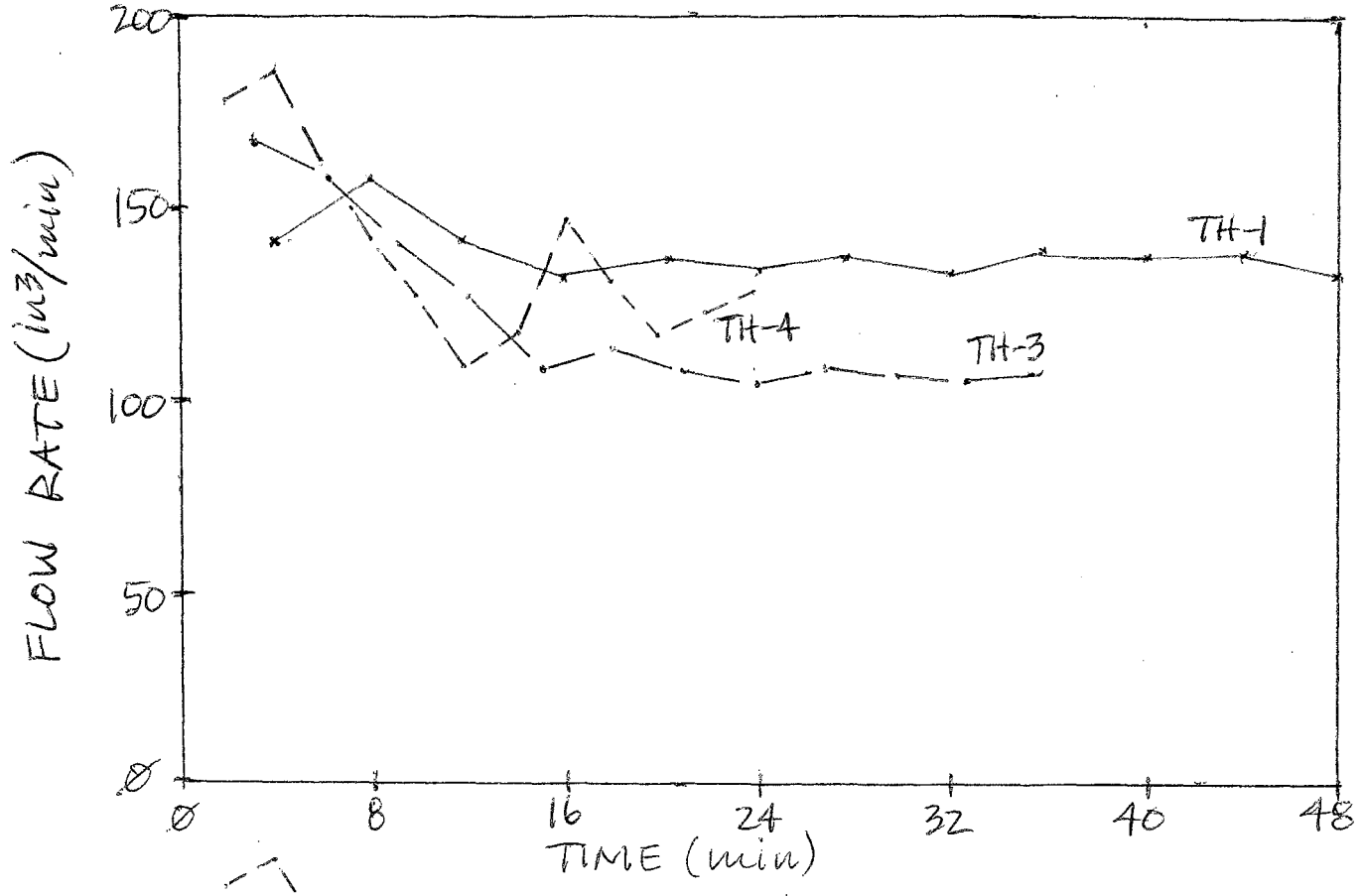
Appendix A

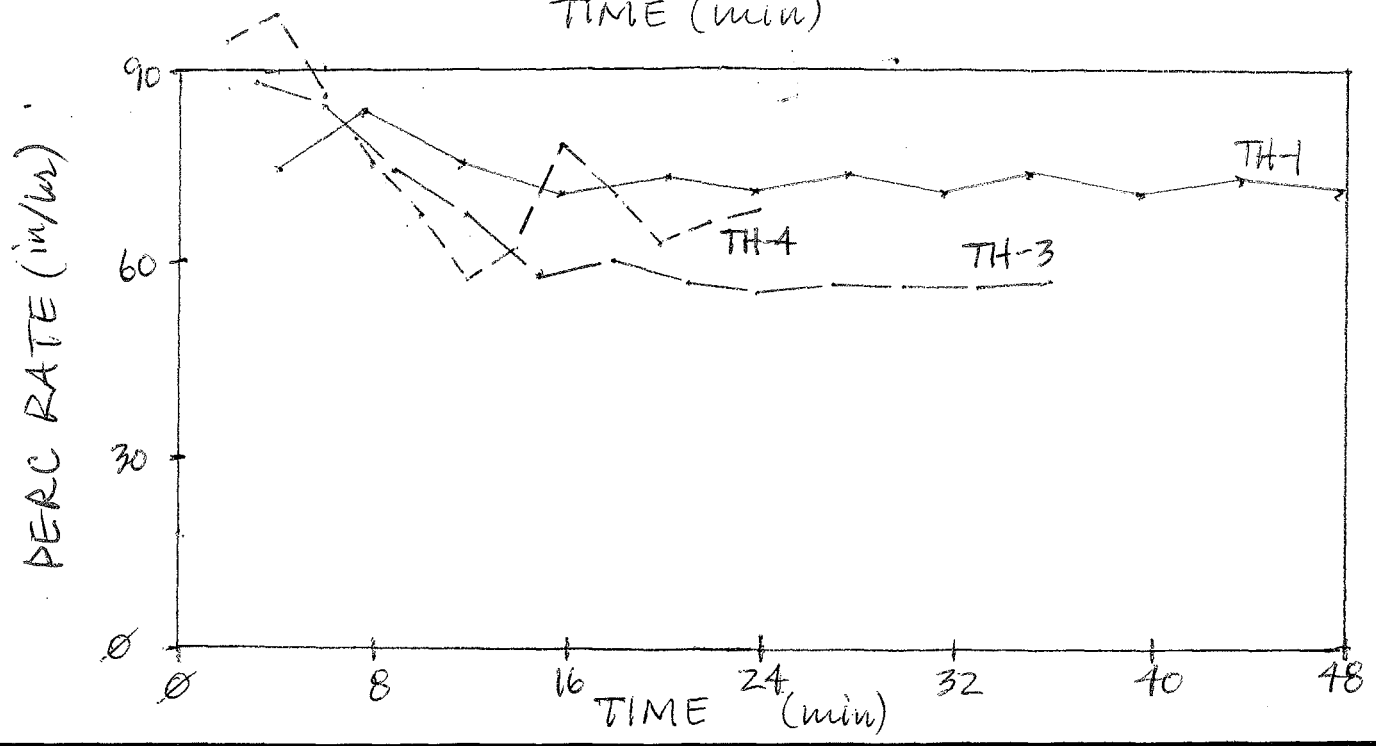
Test Hole	Time Period (min)	Water Drop (in)	Volume of Water (in^3)	Flow Rate (in^3/min)		Perc. Rate (in/hr)
TH-1	4	4.96	560.5	140.1		74.4
		5.56	628.3	157.1		83.4
		5.00	565.0	141.3		75.0
		4.68	528.8	132.2		70.2
		4.88	551.4	137.9		73.2
		4.76	537.9	134.5		71.4
		4.88	551.4	137.9		73.2
		4.76	537.9	134.5		71.4
		4.92	556.0	139.0		73.8
		4.68	528.8	137.9		70.2
		4.84	546.9	136.7		72.6
		4.72	533.4	133.3		70.8
TH-2	1	3.04	343.5	343.5		182.4
		3.08	348.0	348.0		184.8
		2.80	316.4	316.4		168.0
		2.88	325.4	325.4		172.8
		2.80	316.4	316.4		168.0
		2.68	302.8	302.8		160.8
		2.84	320.9	320.9		170.4
		2.96	334.5	334.5		177.6
		2.80	316.4	316.4		168.0
		2.76	311.9	311.9		165.6
		2.84	320.9	320.9		170.4
		2.80	316.4	316.4		168.0

Test Hole	Time Period (min)	Water Drop (in)	Volume of Water (in^3)	Flow Rate (in^3/min)		Perc. Rate (in/hr)
TH-3	3	4.40	497.2	165.7		88.0
		4.20	474.6	158.2		84.0
		3.72	420.4	140.1		74.4
		3.36	379.7	126.6		67.2
		2.88	325.4	108.5		57.6
		3.00	339.0	113.0		60.0
		2.84	320.9	107.0		56.8
		2.76	311.9	104.0		55.2
		2.84	320.9	107.0		56.8
		2.80	316.4	105.5		56.0
		2.76	311.9	104.0		55.2
		2.80	316.4	105.5		56.0
TH-4	2	3.16	357.1	178.5		94.8
		3.28	370.6	185.3		98.4
		2.84	320.9	160.5		85.2
		2.52	284.8	142.4		75.6
		2.24	253.1	126.6		67.2
		1.92	217.0	108.5		57.6
		2.08	235.0	117.5		62.4
		2.60	293.8	146.9		78.0
		2.32	262.2	131.1		69.6
		2.08	235.0	117.5		62.4
		2.20	248.6	124.3		66.0
		2.28	257.6	128.8		68.4

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

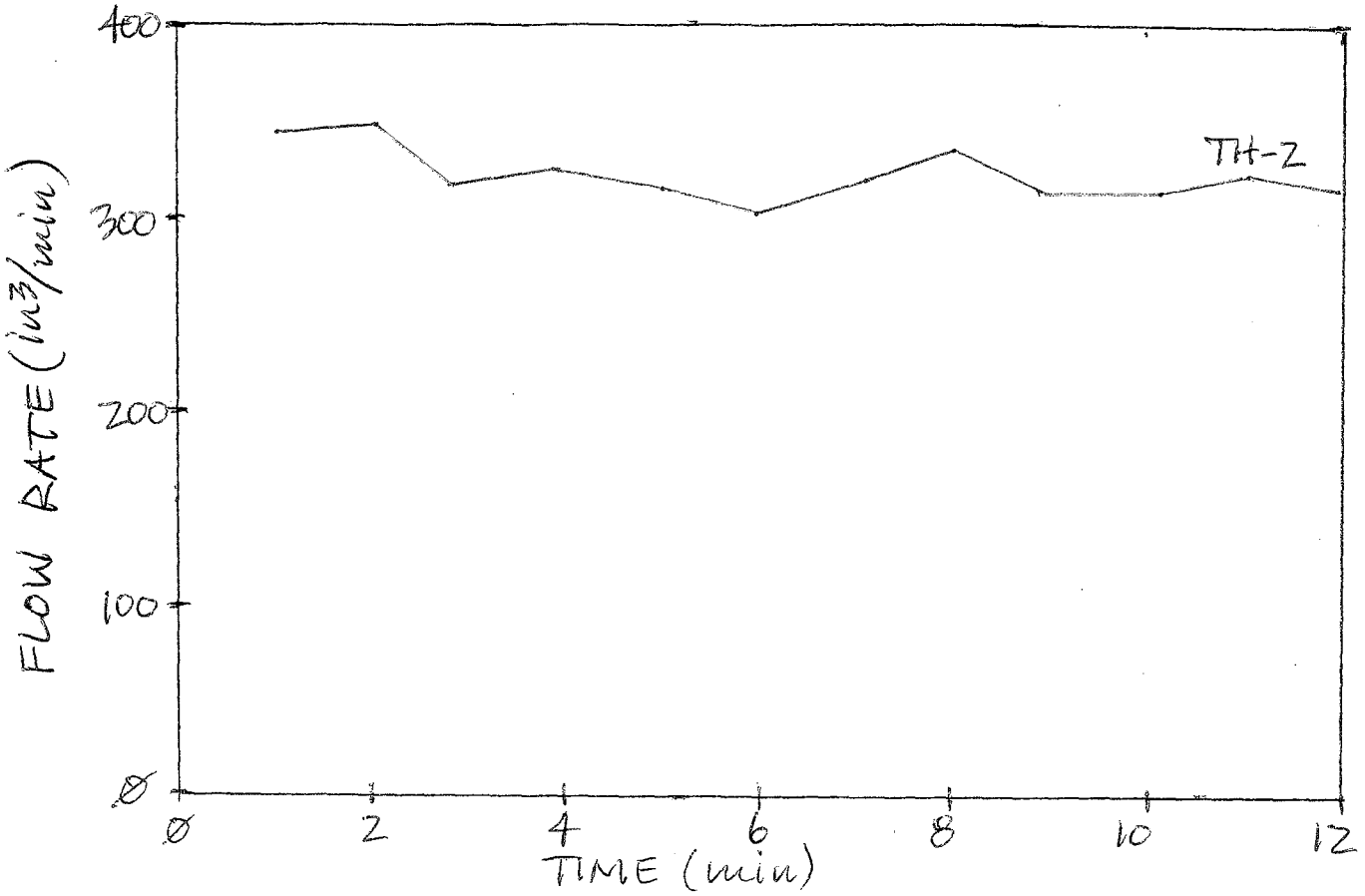
PROJECT: 23312-22 | DATE: OCTOBER 2022

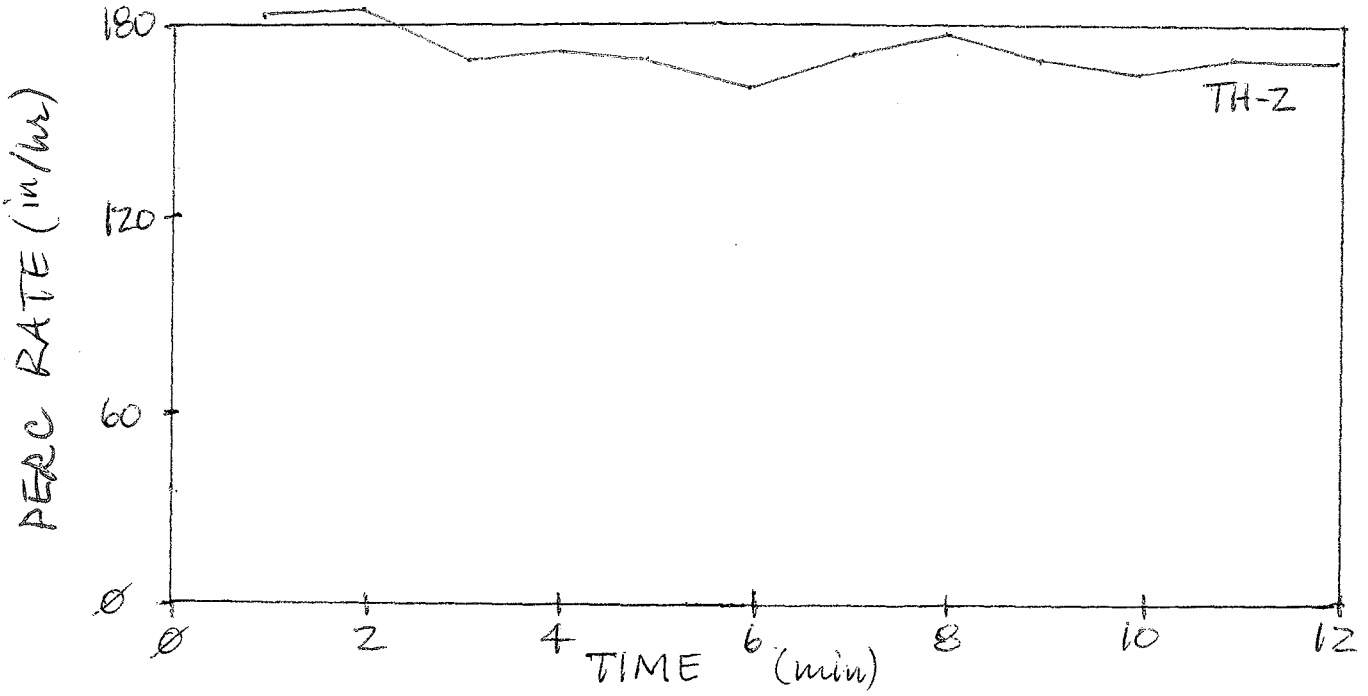




NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT: 23312-22 | DATE: OCTOBER 2022





NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PROJECT: 23312-22 | DATE: OCTOBER 2022

NorCal Engineering

Soils and Geotechnical Consultants
10641 Humbolt Street Los Alamitos, CA 90720
(562) 799-9469 Fax (562) 799-9459

June 9, 2022 Project Number 23312-22

Patriot Partners
12126 W. Sunset Boulevard
Los Angeles, California 90049-4145

Attn: Kevin Rice

RE: **Geotechnical Engineering Investigation** - Proposed Industrial Warehouse Development - Located at the Southeast Corner of Victoria Avenue and 5th Street, in the City of Highland, California

Dear Mr. Rice:

Pursuant to your request, this firm has performed a Geotechnical Engineering Investigation for the above referenced project in accordance with your approval of our proposal dated May 11, 2022. The purpose of this investigation is to evaluate the geotechnical conditions of the subject site and to provide recommendations for the construction of a proposed industrial warehouse development.

The scope of work included the following: 1) site reconnaissance; 2) subsurface geotechnical exploration and sampling; 3) laboratory testing; 4) soil infiltration testing; 5) engineering analysis of field and laboratory data; 6) preparation of a geotechnical engineering report. It is the opinion of this firm that the proposed development is feasible from a geotechnical standpoint provided that the recommendations presented in this report are followed in the design and construction of the project.

1.0 Project Description

It is proposed to construct an industrial warehouse development consisting of 152,391 square feet building on the subject site as shown on the attached Site Plan (figure 1). The proposed concrete tilt-up building will be supported by a conventional slab-on-grade foundation system with perimeter-spread footings and isolated interior footings. Other improvements will include asphalt and concrete pavement areas, hardscape and landscaping. It is assumed that the proposed grading for the development will include cut and fill procedures on the order of a few feet to achieve finished grade elevations. Final building plans shall be reviewed by this firm prior to submittal for city approval to determine the need for any additional study and revised recommendations pertinent to the proposed development, if necessary.

2.0 Site Description

The subject property is located at the southeast corner of Victoria Avenue and 5th Street, bordered by 3rd Street to the south in the City of Highland. The generally rectangular shaped parcel is elongated in an east to west direction and is relatively level. The southeast corner of the site is currently occupied by several single-story wood framed buildings with isolated areas of asphaltic parking. The remaining portion of the site is currently vacant and contains some light, natural vegetation.

3.0 Site Exploration

The investigation consisted of the placement of twelve (12) subsurface exploratory trenches by use of backhoe and hand operated equipment to depths of approximately 10 and 18 feet below current ground elevations. The trenches were placed at accessible locations throughout the property. The explorations were visually classified and logged by a field engineer with locations of the subsurface explorations shown on the attached plan.

The exploratory trenches revealed the existing earth materials to consist of fill and natural soil. Detailed descriptions of the subsurface conditions are listed on the boring logs in Appendix A. It should be noted that the transition from one soil type to another as shown on the trench logs is approximate and may in fact be a gradual transition. The soils encountered are described as follows:

Fill: A fill soil classifying as a brown, fine to medium grained, silty SAND with gravel and rootlets was encountered across the site to depths ranging from 1 to 3 feet below ground surface, these soils were noted to loose and dry. Minor amounts of asphalt and brick were encountered in exploratory trenches T-7 and T8. Approximately 2 to 6 inches of pulverized asphalt was noted on the surface near exploratory borings B-1, B-2 and B-3.

Natural: A natural undisturbed soil classifying as a brown, fine to coarse grained slightly silty SAND with occasional cobbles (up to a maximum of 30 inches in diameter) was encountered beneath the upper fill soils. The native soils as encountered were observed to be medium dense and damp.

The overall engineering characteristics of the earth material were relatively uniform with each excavation. Groundwater was not encountered to the depth of our trenches and caving occurred in the deeper cohesionless soils. Historic high groundwater in the vicinity has been recorded greater than 65 feet below grade at a nearby well located less than 1,000 feet to the west of the subject site as given on the California Department of Water Recourses database http://www.water.ca.gov/waterdatalibrary/ (State well numbers 01S03W05N006S). Additionally, local groundwater maps (Carson & Matti 1982), record historic groundwater depths in excess of 250 feet.

4.0 Laboratory Tests

Relatively undisturbed samples of the subsurface soils were obtained to perform laboratory testing and analysis for direct shear, consolidation tests, and to determine in-place moisture/densities. These relatively undisturbed ring samples were obtained by driving a thin-walled steel sampler lined with one-inch-long brass rings with an inside diameter of 2.42 inches into the undisturbed soils. Bulk bag samples were obtained in the upper soils for expansion index tests and maximum density tests. All test results are included in Appendix B, unless otherwise noted.

4.1 **Field Moisture Content** (ASTM: D 2216) and the dry density of the ring samples were determined in the laboratory. This data is listed on the logs of explorations.

4.2 **Maximum Density tests** (ASTM: D 1557) were performed on typical samples of the upper soils. Results of these tests are shown on Table I.

4.3 **Expansion Index tests** (ASTM: D 4829) were performed on remolded samples of the upper soils to determine expansive characteristics. Results of these tests are provided on Table II.

4.4 **Corrosion tests** consisting of sulfate, pH, resistivity and chloride analysis to determine potential corrosive effects of soils on concrete and underground utilities. Test results are provided on Table III.

4.5 **R-Value test** per California Test Method 301 was performed on a representative sample, which may be anticipated to be near subgrade to determine pavement design. Results are provided within the pavement design section of the report.

4.6 **Direct Shear tests** (ASTM: D 3080) were performed on undisturbed and/or remolded samples of the subsurface soils. The test is performed under saturated conditions at loads of 1,000 lbs./sq.ft., 2,000 lbs./sq.ft., and 3,000 lbs./sq.ft. with results shown on Plate A to B.

4.7 **Consolidation tests** (ASTM: D 2435) were performed on undisturbed samples to determine the differential and total settlement which may be anticipated based upon the proposed loads. Water was added to the samples at a surcharge of one KSF and the settlement curves are plotted on Plates C to D.

5.0 Seismicity Evaluation

The proposed development lies outside of any Alquist Priolo Special Studies Zone and the potential for damage due to direct fault rupture is considered unlikely. The San Andreas Fault (San Bernardino Segment) is located approximately 5 kilometers from the site and is capable of producing a Magnitude 7.4 earthquake. Ground shaking originating from earthquakes along other active faults in the region is expected to induce lower horizontal accelerations due to smaller anticipated earthquakes and/or greater distances to other faults.

The seismic design acceleration parameters for the project site are provided on the following page based on the ASCE/SEI 7-22 American Society of Civil Engineers (ASCE) website, https://asce7hazardtool.online/. The ASCE/SEI 7-22 report is attached is Appendix C

Seismic Design Acceleration Parameters

Latitude	34.106
Longitude	-117.225
Site Class	D
Risk Category	II
Peak Ground Acceleration	$PGA_M = 0.8$
Adjusted Maximum Acceleration	$S_{MS} = 2.31$ $S_{M1} = 2.73$
Design Spectral Response Acceleration Parameters	$S_{DS} = 1.54$ $S_{D1} = 1.82$
Mapped Spectral Response Acceleration	$S_S = 2.38$ $S_1 = 0.93$

Use of these values is dependent on the latest requirements of the ASCE, 11-4.8, Exception 2 that requires the value of the seismic response coefficient C_s be determined by Equation 12.8.2 for values of $T \leq 1.5T_s$ and taken as equal to 1.5 times the value computed in accordance with either 12.8-3 for $T_L \geq T \geq 1.5T_s$ or Equation 12.8-4 for $T > T_L$. Computations and verification of these conditions is referred to the structural engineer.

6.0 Liquefaction Evaluation

The site is expected to experience ground shaking and earthquake activity that is typical of the Southern California area. It is during severe shaking that loose, granular soils below the groundwater table can liquefy. Based on review of the *County of San Bernardino County Land Use Plan – General Plan – Geologic Hazard Overlays (2009)*, the site lies *outside* a zone of "Suspected Liquefaction Susceptibility". Based on review of local groundwater maps, the depth of groundwater is in excess of 100 feet (Carson & Matti 1982). Thus, the design of the proposed construction in conformance with the latest Building Code provisions for earthquake design is expected to provide mitigation of ground shaking hazards that are typical to Southern California.

7.0 Infiltration Characteristics

Infiltration tests within the site were performed to provide preliminary infiltration rates for the purpose of planning and design of an on-site water disposal system. The infiltration tests consisted of the double ring infiltration test per ASTM Method D 3385 with test results given in Appendix D. Based upon the results of our testing, the soils encountered in the planned on-site drainage disposal system area exhibit the following infiltration rates.

Boring/Test No.	Depth	Soil Classification	Field Infiltration Rate
T-1/TH-1	10'	Slightly Silty SAND	72.0 in/hr
T-2/TH-2	12'	Slightly Silty SAND	170.0 in/hr
T-3/TH-3	10'	Slightly Silty SAND	56.0 in/hr
T-4/TH-4	12'	Slightly Silty SAND	67.8 in/hr

SEE AMENDED CALCS IN FRONT OF SECTION

Based on the results of our field testing, the subsurface soils encountered in the proposed on-site drainage disposal system shall utilize the design infiltration rates based on the safety factor required by the county standard. All systems must meet the latest city and/or county specifications and the California Regional Water Quality Control Board (CRWQCB) requirements.

It is recommended that foundations shall be setback a minimum distance of 10 feet from the drainage disposal system and the bottom of footing shall be a minimum of 10 feet from the expected zone of saturation. The boundary of the zone of saturation may be assumed to project downward from the top of the permeable portion of the disposal system at an inclination of 1 to 1 or flatter, as determined by the geotechnical engineer.

8.0 Conclusions and Recommendations

Based upon our evaluations, the proposed development is acceptable from a geotechnical engineering standpoint. By following the recommendations and guidelines set forth in our report, the structures will be safe from excessive settlements under the anticipated design loadings and conditions. The proposed development shall meet all requirements of the City Building Ordinance and will not impose any adverse effect on existing adjacent structures.

The following recommendations are based upon soil conditions encountered in our field investigation; these near-surface soil conditions could vary across the site. Variations in the soil conditions may not become evident until the commencement of grading operations for the proposed development and revised recommendations from the soils engineer may be necessary based upon the conditions encountered.

It is recommended that site inspections be performed by a representative of this firm during all grading and construction of the development to verify the findings and recommendations documented in this report. Any unusual conditions which may be encountered in the course of the project development may require the need for additional study and revised recommendations.

8.1 Site Grading Recommendations

Any vegetation and/or demolition debris shall be removed and hauled from proposed grading areas prior to the start of grading operations. Existing vegetation shall not be mixed or disced into the soils. Any removed soils may be reutilized as compacted fill once any deleterious material or oversized materials (in excess of eight inches) is removed. Grading operations shall be performed in accordance with the attached *Specifications for Placement of Compacted Fill.*

8.1.1 Removal and Recompaction Recommendations

All disturbed soils and/or fill (about 1 to 3 feet below ground surface) shall be removed to competent native material, the exposed surface scarified to a depth of 12 inches, brought to within 2% of optimum moisture content and compacted to a minimum of 90% of the laboratory standard (ASTM: D-1557) prior to placement of any additional compacted fill soils, foundations, slabs-on-grade and pavement. The upper 12 inches of soils beneath building pad and concrete paving shall be compacted to a minimum of 95% of the laboratory standard. Grading shall extend a minimum of five horizontal feet outside the edges of foundations or equidistant to the depth of fill placed, whichever is greater.

The site is underlain by alluvium generally composed of gravels, cobbles and boulders in a silty sand matrix. Oversized materials are anticipated to be encountered during grading operations. The proposed building pad shall be graded with cobbles up to 6-inch minus blended uniformly with soils in the upper one foot beneath pad grade and within planned utility/foundation areas. Rock size up to 12 inches blended uniformly with soils shall be placed below two feet of more below grade. All fill will be required to be placed in suitable lifts, moisture conditioned and compacted to a minimum of 90% of the laboratory standard.

It is possible that isolated areas of undiscovered fill not described in this report are present on site; if found, these areas should be treated as discussed earlier. A diligent search shall also be conducted during grading operations in an effort to uncover any underground structures, irrigation or utility lines. If encountered, these structures and lines shall be either removed or properly abandoned prior to the proposed construction.

Any imported fill material should be preferably soil similar to the upper soils encountered at the subject site. All soils shall be approved by this firm prior to importing at the site and will be subjected to additional laboratory testing to assure concurrence with the recommendations stated in this report.

If placement of slabs-on-grade and pavement is not completed immediately upon completion of grading operations, additional testing and grading of the areas may be necessary prior to continuation of construction operations. Likewise, if adverse weather conditions occur which may damage the subgrade soils, additional assessment by the soils engineer as to the suitability of the supporting soils may be needed.

Care should be taken to provide or maintain adequate lateral support for all adjacent improvements and structures at all times during the grading operations and construction phase. Adequate drainage away from the structures, pavement and slopes should be provided at all times.

8.1.2 **Fill Blanket Recommendations**

Due to the potential for differential settlement of foundations placed on compacted fill and native materials, it is recommended that all foundations including floor slab areas be underlain by a uniform compacted fill blanket at least two feet in thickness. This fill blanket shall extend a minimum of five horizontal feet outside the edges of foundations or equidistant to the depth of fill placed, whichever is greater.

8.2 **Shrinkage and Subsidence**

The site is underlain by alluvium generally composed of gravels, cobbles and boulders blended with a sand matrix. It is our experience that a loss of volume from oversize rock will be anticipated. Results of our in-place density tests reveal that the soil shrinkage of the matrix will be on the order of 5 to 10% due to excavation and recompaction, based upon the assumption that the fill is compacted to 92% of the maximum dry density per ASTM standards. Subsidence should be 0.2 feet due to earthwork operations.

The volume change does not include any allowance for vegetation or organic stripping, removal of subsurface improvements, or topographic approximations. Although these values are only approximate, they represent our best estimate of lost yardage, which will likely occur during grading. If more accurate shrinkage and subsidence factors are needed, it is recommended that field testing the actual equipment and grading techniques should be conducted.

8.3 **Temporary Excavations**

Temporary *unsurcharged* excavations in the existing site materials may be made at vertical inclinations up to 4 feet in height unless cohesionless soils are encountered. In areas where soils with little or no binder are encountered, where adverse geological conditions are exposed, or where excavations are adjacent to existing structures, shoring or flatter excavations may be required. The temporary cut slope gradients given above do not preclude local raveling and sloughing.

All excavations shall be made in accordance with the requirements of the soils engineer, CAL-OSHA and other public agencies having jurisdiction. Care should be taken to provide or maintain adequate lateral support for all adjacent improvements and structures at all times during the grading operations and construction phase.

8.4 Foundation Design

All foundations may be designed utilizing the following allowable bearing capacities for an embedded depth of 18 inches into approved engineered fill with the corresponding widths:

Allowable Bearing Capacity (psf)		
Width (feet)	Continuous Foundation	Isolated Foundation
1.5	2000	2500
2.0	2075	2575
4.0	2375	2875
6.0	2500	3000

The bearing value may be increased by 500 psf for each additional foot of depth in excess of the 18-inch minimum depth, up to a maximum of 4,000 psf. A one-third increase may be used when considering short-term loading and seismic forces.

Any foundations located along property line may utilize an allowable bearing capacity of 1,500 psf and embedded into competent native soils. A modulus of subgrade reaction (k) of 200 pci may be used for design of slabs placed on engineered fill soils supporting sustained concentrated loads. A representative of this firm shall inspect all foundation excavations prior to pouring concrete.

8.5 Settlement Analysis

Resultant pressure curves for the consolidation tests are shown on Plates B to C. Computations utilizing these curves and the recommended allowable soil bearing capacities reveal that the foundations will experience settlements on the order of ¾ inch and differential settlements of less than ¼ inch.

8.6 **Lateral Resistance**

The following values may be utilized in resisting lateral loads imposed on the structure. Requirements of the California Building Code should be adhered to when the coefficient of friction and passive pressures are combined.

Coefficient of Friction - 0.40

Equivalent Passive Fluid Pressure = 250 lbs./cu.ft.

Maximum Passive Pressure = 2,500 lbs./cu.ft.

The passive pressure recommendations are valid only for approved compacted fill soils or competent native materials.

8.7 **Retaining Wall Design Parameters**

Active earth pressures against retaining walls will be equal to the pressures developed by the following fluid densities. These values are for **granular backfill material** placed behind the walls at various ground slopes above the walls.

Surface Slope of Retained Materials (Horizontal to Vertical	Equivalent Fluid Density (lb./cu.ft.)
Level	30
5 to 1	35
4 to 1	38
3 to 1	40
2 to 1	45

Any applicable short-term construction surcharges and seismic forces should be added to the above lateral pressure values. An equivalent fluid pressure of 45 pcf may be utilized for the restrained wall condition with a level grade behind the wall.

The seismic-induced lateral soil pressure for walls greater than 6 feet may be computed using a triangular pressure distribution with the maximum value at the top of the wall. The maximum lateral pressure of (20 pcf) H where H is the height of the retained soils above the wall footing should be used in final design of retaining walls. Sliding resistance values and passive fluid pressure values may be increased by 1/3 during short-term wind and seismic loading conditions.

All walls shall be waterproofed as needed and protected from hydrostatic pressure by a reliable permanent subdrain system. The granular backfill to be utilized immediately adjacent to retaining walls shall consist of an approved select granular soil with a sand equivalency greater than 30. This backfill zone of free draining material shall consist of a wedge beginning a minimum of one horizontal foot from the base of the wall extending upward at an inclination of no less than ¾ to 1 (horizontal to vertical).

8.8 **Slab Design**

All concrete slabs shall be a minimum of six inches in thickness in the proposed warehouse areas and four inches in office and hardscape and placed on approved subgrade soils compacted to a minimum of 95% of the laboratory standard in the upper 12 inches. Additional reinforcement requirements and an increase in thickness of the slabs-on-grade may be necessary based upon soils expansion potential and proposed loading conditions in the structures and should be evaluated further by the project engineers and/or architect.

A vapor retarder (10-mil minimum thickness) should be utilized in areas which would be sensitive to the infiltration of moisture. This retarder shall meet requirements of ASTM E 96, *Water Vapor Transmission of Materials* and ASTM E 1745, *Standard Specification for Water Vapor Retarders used in Contact with Soil or Granular Fill Under Concrete Slabs.* The vapor retarder shall be installed in accordance with procedures stated in ASTM E 1643, *Standard practice for Installation of Water Vapor Retarders used in Contact with Earth or Granular Fill Under Concrete Slabs.*

The moisture retarder may be placed directly upon compacted subgrade soils conditioned to near optimum moisture levels, although one to two inches of sand beneath the membrane is desirable. The subgrade upon which the retarder is placed shall be smooth and free of rocks, gravel or other protrusions which may damage the retarder. Use of sand above the retarder is under the purview of the structural engineer; if sand is used over the retarder, it should be placed in a dry condition.

8.9 **Preliminary Pavement Section Design**

The table below provides a preliminary pavement design based upon an *estimated* R-Value of 65 for the subgrade soils for the proposed pavement areas. An updated pavement design may be provided upon completion of pending laboratory testing of the near surface soils. Final pavement design may need to be based on R-Value testing of the subgrade soils near the conclusion of site grading to assure that these soils are consistent with those assumed in this preliminary design. *The recommendations are based upon estimated traffic loads. Client should submit any other anticipated traffic loadings to the geotechnical engineer, if necessary, so that pavement sections may be reviewed to determine adequacy to support the proposed loadings.*

Type of Traffic	Traffic Index	Asphalt (in.)	Base Material (in.)
Automobile Parking Stalls	4.0	3.0	3.0
Light Vehicle Circulation Areas	5.5	3.5	5.5
Heavy Truck Access Areas	7.0	4.0	8.0

Any concrete slab-on-grade in pavement areas shall be a minimum of six inches in thickness and may be placed on approved subgrade soils.

All pavement areas shall have positive drainage toward an approved outlet from the site. Drain lines behind curbs and/or adjacent to landscape areas should be considered by client and the appropriate design engineers to prevent water from infiltrating beneath pavement. If such infiltration occurs, damage to pavement, curbs and flow lines, especially on sites with expansive soils, may occur during the life of the project.

Any approved base material shall consist of a Class II aggregate or equivalent and should be compacted to a minimum of 95% relative compaction. All pavement materials shall conform to the requirements set forth by the City of Fontana. The base material; and asphaltic concrete should be tested prior to delivery to the site and during placement to determine conformance with the project specifications. A pavement engineer shall designate the specific asphalt mix design to meet the required project specifications.

8.10 **Utility Trench and Excavation Backfill**

Trenches from installation of utility lines and other excavations may be backfilled with on-site soils or approved imported soils compacted to a minimum of 90% relative compaction. All utility lines shall be properly bedded with clean sand having a sand equivalency rating of 30 or more. This bedding material shall be thoroughly water jetted around the pipe structure prior to placement of compacted backfill soils.

8.11 **Corrosion Design Criteria**

Representative samples of the surficial soils, typical of the subgrade soils expected to be encountered within foundation excavations and underground utilities were tested for corrosion potential. The minimum resistivity value obtained for the samples tested is representative of an environment that may be severely corrosive to metals. The soil pH value was considered mildly alkaline and may not have a significant effect on soil corrosivity. Consideration should be given to corrosion protection systems for buried metal such as protective coatings, wrappings or the use of PVC where permitted by local building codes.

According to Table 4.3.1 of ACI 318 Building Code and Commentary, these contents revealed negligible sulfate concentrations. Therefore, a Type II cement according to latest CBC specifications may be utilized for building foundations at this time. It is recommended that additional sulfate tests be performed at the completion of site grading to assure that the as graded conditions are consistent with the recommendations stated in this design. Corrosion test results may be found on the attached Table IV.

8.12 **Expansive Soil**

On-site soils are very low in expansion potential (EI 0-20). When soils have an expansion index (EI) of 20 or more, special attention should be given to the project design and maintenance. The attached *Expansive Soil Guidelines* should be reviewed by the engineers, architects, owner, maintenance personnel and other interested parties and considered during the design of the project and future property maintenance. Expansion test results may be found on the attached Table II.

9.0 Closure

The recommendations and conclusions contained in this report are based upon the soil conditions uncovered in our test excavations. No warranty of the soil condition between our excavations is implied. NorCal Engineering should be notified for possible further recommendations if unexpected to unfavorable conditions are encountered during construction phase. It is the responsibility of the owner to ensure that all information within this report is submitted to the Architect and appropriate Engineers for the project.

A preconstruction conference should be held between the developer, general contractor, grading contractor, city inspector, architect, and soil engineer to clarify any questions relating to the grading operations and subsequent construction. Our representative should be present during the grading operations and construction phase to certify that such recommendations are complied within the field.

This geotechnical investigation has been conducted in a manner consistent with the level of care and skill exercised by members of our profession currently practicing under similar conditions in the Southern California area. No other warranty, expressed or implied is made.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING

Keith D. Tucker
Project Engineer
R.G.E. 841

REGISTERED PROFESSIONAL ENGINEER
KEITH D. TUCKER
No. 841
Exp. 12/31/2022
GEOTECHNICAL
STATE OF CALIFORNIA

Mike Barone
Project Manager

SPECIFICATIONS FOR PLACEMENT OF COMPACTED FILL

Excavation

Any existing low-density soils and/or saturated soils shall be removed to competent natural soil under the inspection of the Geotechnical Engineering Firm. After the exposed surface has been cleansed of debris and/or vegetation, it shall be scarified until it is uniform in consistency, brought to the proper moisture content and compacted to a minimum of 90% relative compaction (in accordance with ASTM: D 1557).

In any area where a transition between fill and native soil or between bedrock and soil are encountered, additional excavation beneath foundations and slabs will be necessary in order to provide uniform support and avoid differential settlement of the structure.

Material for Fill

The on-site soils or approved import soils may be utilized for the compacted fill provided they are free of any deleterious materials and shall not contain any rocks, brick, asphaltic concrete, concrete or other hard materials greater than eight inches in maximum dimensions. Any import soil must be approved by the Geotechnical Engineering firm a minimum of 72 hours prior to importation of site.

Placement of Compacted Fill Soils

The approved fill soils shall be placed in layers not excess of six inches in thickness. Each lift shall be uniform in thickness and thoroughly blended. The fill soils shall be brought to within 2% of the optimum moisture content, unless otherwise specified by the Soils Engineering firm. Each lift shall be compacted to a minimum of 90% relative compaction (in accordance with ASTM: D 1557) and approved prior to the placement of the next layer of soil. Compaction tests shall be obtained at the discretion of the Geotechnical Engineering firm but to a minimum of one test for every 500 cubic yards placed and/or for every 2 feet of compacted fill placed.

The minimum relative compaction shall be obtained in accordance with accepted methods in the construction industry. The final grade of the structural areas shall be in a dense and smooth condition prior to placement of slabs-on-grade or pavement areas. No fill soils shall be placed, spread or compacted during unfavorable weather conditions. When the grading is interrupted by heavy rains, compaction operations shall not be resumed until approved by the Geotechnical Engineering firm.

Grading Observations

The controlling governmental agencies should be notified prior to commencement of any grading operations. This firm recommends that the grading operations be conducted under the observation of a Soils Engineering firm as deemed necessary. A 24-hour notice must be provided to this firm prior to the time of our initial inspection.

Observation shall include the clearing and grubbing operations to assure that all unsuitable materials have been properly removed; approve the exposed subgrade in areas to receive fill and in areas where excavation has resulted in the desired finished grade and designate areas of overexcavation; and perform field compaction tests to determine relative compaction achieved during fill placement. In addition, all foundation excavations shall be observed by the Soils Engineering firm to confirm that appropriate bearing materials are present at the design grades and recommend any modifications to construct footings.

EXPANSIVE SOIL GUIDELINES

The following expansive soil guidelines are provided for your project. The intent of these guidelines is to inform you, the client, of the importance of proper design and maintenance of projects supported on expansive soils. ***You, as the owner or other interested party, should be warned that you have a duty to provide the information contained in the soil report including these guidelines to your design engineers, architects, landscapers and other design parties in order to enable them to provide a design that takes into consideration expansive soils.***

In addition, you should provide the soil report with these guidelines to any property manager, lessee, property purchaser or other interested party that will have or assume the responsibility of maintaining the development in the future.

Expansive soils are fine-grained silts and clays which are subject to swelling and contracting. The amount of this swelling and contracting is subject to the amount of fine-grained clay materials present in the soils and the amount of moisture either introduced or extracted from the soils. Expansive soils are divided into five categories ranging from "very low" to "very high". Expansion indices are assigned to each classification and are included in the laboratory testing section of this report. *If the expansion index of the soils on your site, as stated in this report, is 21 or higher, you have expansive soils.* The classifications of expansive soils are as follows:

Classification of Expansive Soil*

Expansion Index	Potential Expansion
0-20	Very Low
21-50	Low
51-90	Medium
91-130	High
Above 130	Very High

*From Table 18A-I-B of California Building Code (1988)

When expansive soils are compacted during site grading operations, care is taken to place the materials at or slightly above optimum moisture levels and perform proper compaction operations. Any subsequent excessive wetting and/or drying of expansive soils will cause the soil materials to expand and/or contract. These actions are likely to cause distress of foundations, structures, slabs-on-grade, sidewalks and pavement over the life of the structure. ***It is therefore imperative that even after construction of improvements, the moisture contents are maintained at relatively constant levels, allowing neither excessive wetting or drying of soils.***

Evidence of excessive wetting of expansive soils may be seen in concrete slabs, both interior and exterior. Slabs may lift at construction joints producing a trip hazard or may crack from the pressure of soil expansion. Wet clays in foundation areas may result in lifting of the structure causing difficulty in the opening and closing of doors and windows, as well as cracking in exterior and interior wall surfaces. In extreme wetting of soils to depth, settlement of the structure may eventually result. Excessive wetting of soils in landscape areas adjacent to concrete or asphaltic pavement areas may also result in expansion of soils beneath pavement and resultant distress to the pavement surface.

Excessive drying of expansive soils is initially evidenced by cracking in the surface of the soils due to contraction. Settlement of structures and on-grade slabs may also eventually result along with problems in the operation of doors and windows.

Projects located in areas of expansive clay soils will be subject to more movement and "hairline" cracking of walls and slabs than similar projects situated on non-expansive sandy soils. There are, however, measures that developers and property owners may take to reduce the amount of movement over the life the development. The following guidelines are provided to assist you in both design and maintenance of projects on expansive soils:

- Drainage away from structures and pavement is essential to prevent excessive wetting of expansive soils. Grades should be designed to the latest building code and maintained to allow flow of irrigation and rain water to approved drainage devices or to the street. Any "ponding" of water adjacent to buildings, slabs and pavement after rains is evidence of poor drainage; the installation of drainage devices or regrading of the area may be required to assure proper drainage. Installation of rain gutters is also recommended to control the introduction of moisture next to buildings. Gutters should discharge into a drainage device or onto pavement which drains to roadways.

- Irrigation should be strictly controlled around building foundations, slabs and pavement and may need to be adjusted depending upon season. This control is essential to maintain a relatively uniform moisture content in the expansive soils and to prevent swelling and contracting. Over-watering adjacent to improvements may result in damage to those improvements. NorCal Engineering makes no specific recommendations regarding landscape irrigation schedules.

- Planting schemes for landscaping around structures and pavement should be analyzed carefully. Plants (including sod) requiring high amounts of water may result in excessive wetting of soils. Trees and large shrubs may actually extract moisture from the expansive soils, thus causing contraction of the fine-grained soils.

- Thickened edges on exterior slabs will assist in keeping excessive moisture from entering directly beneath the concrete. A six-inch thick or greater deepened edge on slabs may be considered. Underlying interior and exterior slabs with 6 to 12 inches or more of non-expansive soils and providing presaturation of the underlying clayey soils as recommended in the soil report will improve the overall performance of on-grade slabs.

- Increase the amount of steel reinforcing in concrete slabs, foundations and other structures to resist the forces of expansive soils. The precise amount of reinforcing should be determined by the appropriate design engineers and/or architects.

- Recommendations of the soil report should always be followed in the development of the project. Any recommendations regarding presaturation of the upper subgrade soils in slab areas should be performed in the field and verified by the Soil Engineer.



NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

PATRIOT PARTNERS

PROJECT: 23312-22 | DATE: JUNE 2022

SITE PLAN

(FIGURE 1)



NorCal Engineering SOILS AND GEOTECHNICAL CONSULTANTS		VICINITY MAP
PATRIOT PARTNERS		
PROJECT: 23312-22	DATE: JUNE 2022	(FIGURE 2)

List of Appendices
(in order of appearance)

Appendix A – Log of Excavations

Log of Trenches T-1 to T-8

Log of Borings B-1 to B-4

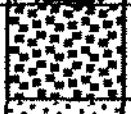
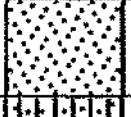
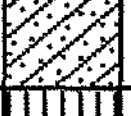
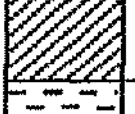
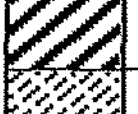
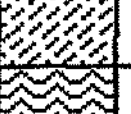
Appendix B – Laboratory Tests

Table I – Maximum Dry Density
Table II – Expansion
Table III – Corrosion
Plate A to B– Direct Shear
Plates C to D - Consolidation

Appendix C – ASCE Seismic Hazards Report

Appendix D – Soil Infiltration Data

Appendix A
Log of Excavations

MAJOR DIVISION			GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	SAND AND SANDY SOILS	CLEAN SAND (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINE (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND-SILT MIXTURES
				SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

UNIFIED SOIL CLASSIFICATION SYSTEM

KEY:

- ■ Indicates 2.5-inch Inside Diameter. Ring Sample.
- ⊠ Indicates 2-inch OD Split Spoon Sample (SPT).
- ⊘ Indicates Shelby Tube Sample.
- ◫ Indicates No Recovery.
- ◧ Indicates SPT with 140# Hammer 30 in. Drop.
- ⊠ Indicates Bulk Sample.
- ◩ Indicates Small Bag Sample.
- ◨ Indicates Non-Standard
- ⊠ Indicates Core Run.

COMPONENT PROPORTIONS

DESCRIPTIVE TERMS	RANGE OF PROPORTION
Trace	1 - 5%
Few	5 - 10%
Little	10 - 20%
Some	20 - 35%
And	35 - 50%

COMPONENT DEFINITIONS

COMPONENT	SIZE RANGE
Boulders	Larger than 12 in
Cobbles	3 in to 12 in
Gravel	3 in to No 4 (4.5mm)
Coarse gravel	3 in to 3/4 in
Fine gravel	3/4 in to No 4 (4.5mm)
Sand	No. 4 (4.5mm) to No. 200 (0.074mm)
Coarse sand	No. 4 (4.5 mm) to No. 10 (2.0 mm)
Medium sand	No. 10 (2.0 mm) to No. 40 (0.42 mm)
Fine sand	No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt and Clay	Smaller than No. 200 (0.074 mm)

MOISTURE CONTENT

DRY	Absence of moisture, dusty, dry to the touch.
DAMP	Some perceptible moisture; below optimum
MOIST	No visible water; near optimum moisture content
WET	Visible free water, usually soil is below water table.

RELATIVE DENSITY OR CONSISTENCY VERSUS SPT N -VALUE

COHESIONLESS SOILS		COHESIVE SOILS		
Density	N (blows/ft)	Consistency	N (blows/ft)	Approximate Undrained Shear Strength (psf)
Very Loose	0 to 4	Very Soft	0 to 2	< 250
Loose	4 to 10	Soft	2 to 4	250 - 500
Medium Dense	10 to 30	Medium Stiff	4 to 8	500 - 1000
Dense	30 to 50	Stiff	8 to 15	1000 - 2000
Very Dense	over 50	Very Stiff	15 to 30	2000 - 4000
		Hard	over 30	> 4000

Patriot Partners 23312-22	Log of Trench T-1
Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry	☒				
5		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp Cobbles up to 30" in diameter below 5'					
10		Trench completed at depth of 10'	☒		3.0		
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

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Patriot Partners 23312-22	Log of Trench T-2

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry					
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp Cobbles up to 20" in diameter below 5'					
5		GWT not encountered					
10		Trench completed at depth of 12'	☑		3.1		
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Trench T-3

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry					
5		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp					
10		Trench completed at depth of 10'	☑		3.6		
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

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Patriot Partners 23312-22	Log of Trench T-4

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		GWT not encountered FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp					
5							
10		Trench completed at depth of 12'	M		3.6		
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Trench T-5

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry					
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp			2.4	101.0	
5					2.7	104.0	
					1.7	101.1	
10		Trench completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

Date: 6/8/2022 File: C:\Superlog4\PROJECT\23312-22.log

SuperLog CivilTech Software, USA www.civiltech.com

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Patriot Partners 23312-22	Log of Trench T-6
Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry	■		2.3	99.3	
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble					
5			■		3.0	99.7	
10			■		3.7	103.4	
15			■		2.2	106.3	
			■		2.8	105.4	
20		Trench completed at depth of 18.5'					
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

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Patriot Partners 23312-22	Log of Trench T-7
Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets, concrete, asphaltic concrete Brown, loose, dry					
		GWT not encountered					
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp	■		1.6	101.0	
5			■		4.6	102.9	
10		Trench completed at depth of 10'					
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Trench T-8

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Backhoe	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Litho-logy	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets, concrete, asphaltic concrete, brick Brown, loose, dry					
5		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp					
10		Trench completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

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Patriot Partners
23312-22

Log of Boring B-1

Boring Location: Victoria & 3rd St, Highland

Date of Drilling: 5/19/2022 | Groundwater Depth: None Encountered

Drilling Method: Hand Auger

Hammer Weight: | Drop:

Surface Elevation: Not Measured

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry			1.5	104.6	
		NATURAL Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp			4.4	107.7	
5		GWT not encountered					
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

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Patriot Partners 23312-22	Log of Boring B-2

Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Hand Auger	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples		Laboratory		
			Type	Blow Counts	Moisture	Dry Density	Fines Content %
0		2" Pulverized Asphalt					
		FILL Silty (fine to medium grained) SAND with occasional gravel, rootlets Brown, loose, dry					
		NATURAL					
5		Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble Light brown, medium dense, damp	■		2.1	102.3	
		GWT not encountered					
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Boring B-3
Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Hand Auger	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		2' Pulverized Asphalt					
		FILL					
		Silty (fine to medium grained) SAND with occasional gravel, rootlets	■		1.9	105.1	
		Brown, loose, dry					
		NATURAL					
5		Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble					
		Light brown, medium dense, damp					
		GWT not encountered					
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Patriot Partners 23312-22	Log of Boring B-4
Boring Location: Victoria & 3rd St, Highland	
Date of Drilling: 5/19/2022	Groundwater Depth: None Encountered
Drilling Method: Hand Auger	
Hammer Weight:	Drop:
Surface Elevation: Not Measured	

Depth (feet)	Lith-ology	Material Description	Samples: Type	Samples: Blow Counts	Laboratory: Moisture	Laboratory: Dry Density	Laboratory: Fines Content %
0		6" Pulverized Asphalt					
		FILL					
		Silty (fine to medium grained) SAND with occasional gravel, rootlets					
		Brown, loose, dry	■		1.8	106.3	
		NATURAL					
5		Slightly silty (fine to coarse grained) SAND with gravel and occasional small cobble					
		Light brown, medium dense, damp	■		2.2	105.4	
10		Boring completed at depth of 10'					
15							
20							
25							
30							
35							

GWT not encountered

SuperLog CivilTech Software, USA www.civiltech.com File: C:\Superlog4\PROJECT\23312-22.log Date: 6/8/2022

Appendix B
Laboratory Tests

TABLE I
MAXIMUM DENSITY TESTS

Sample	Classification	Optimum Moisture (%)	Maximum Dry Density (lbs/cu.ft)
T-5 @ 2'	Slightly Silty SAND	8.0	111.5

TABLE II
EXPANSION TESTS

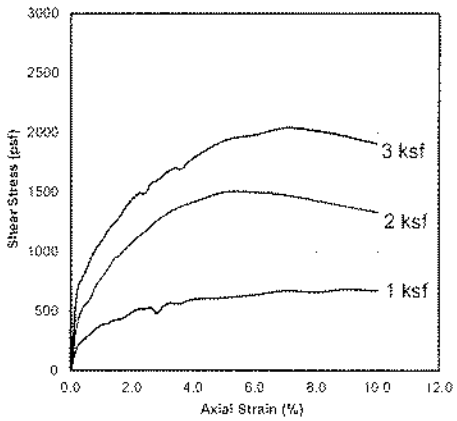
Sample	Classification	Expansion Index
T-5 @ 2'	Slightly Silty SAND	0

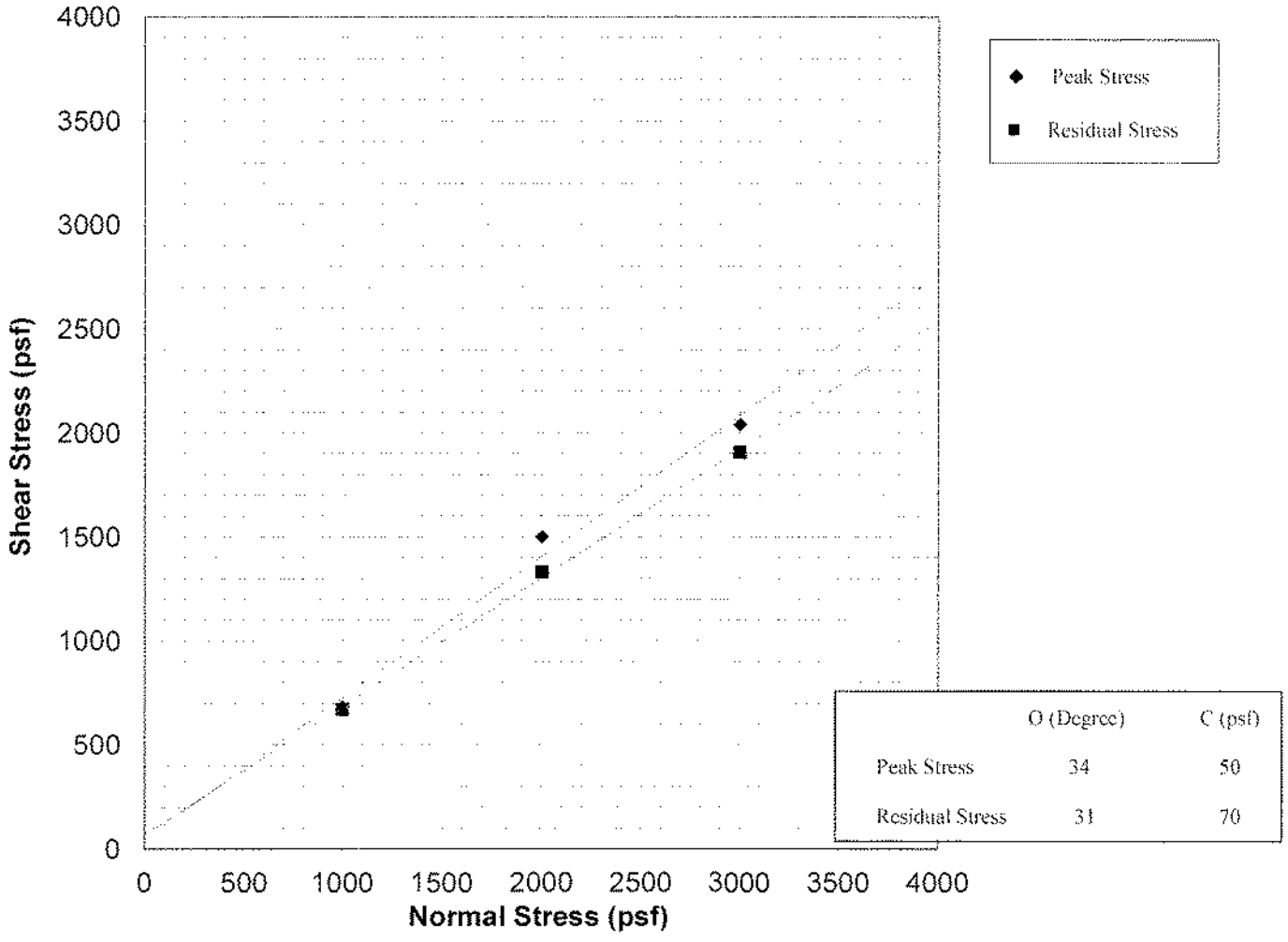
TABLE III
CORROSION TESTS

Sample	pH	Electrical Resistivity	Sulfate (%)	Chloride (ppm)
T-3 @ 2'	7.5	20,941	0.0011	167

% by weight
ppm – mg/kg

Sample No		T5@2'		
Sample Type:		Undisturbed/Saturated		
Soil Description:		Fine-Medium Grained Sand w/ Some Small Gravel & Trace Silt		
		1	2	3
Normal Stress	(psf)	1000	2000	3000
Peak Stress	(psf)	684	1500	2040
Displacement	(in)	0.225	0.125	0.175
Residual Stress	(psf)	672	1332	1908
Displacement	(in.)	0.250	0.250	0.250
In Situ Dry Density	(pcf)	101.0	101.0	101.0
In Situ Water Content	(%)	2.4	2.4	2.4
Saturated Water Content	(%)	24.7	24.7	24.7
Strain Rate	(in/min)	0.020	0.020	0.020





	O (Degree)	C (psf)
Peak Stress	34	50
Residual Stress	31	70

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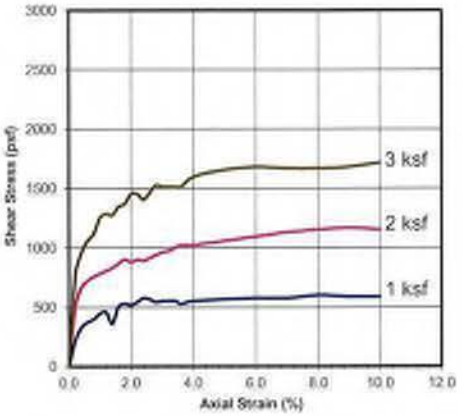
PROJECT NUMBER: 23312-22 DATE: 6/7/2022

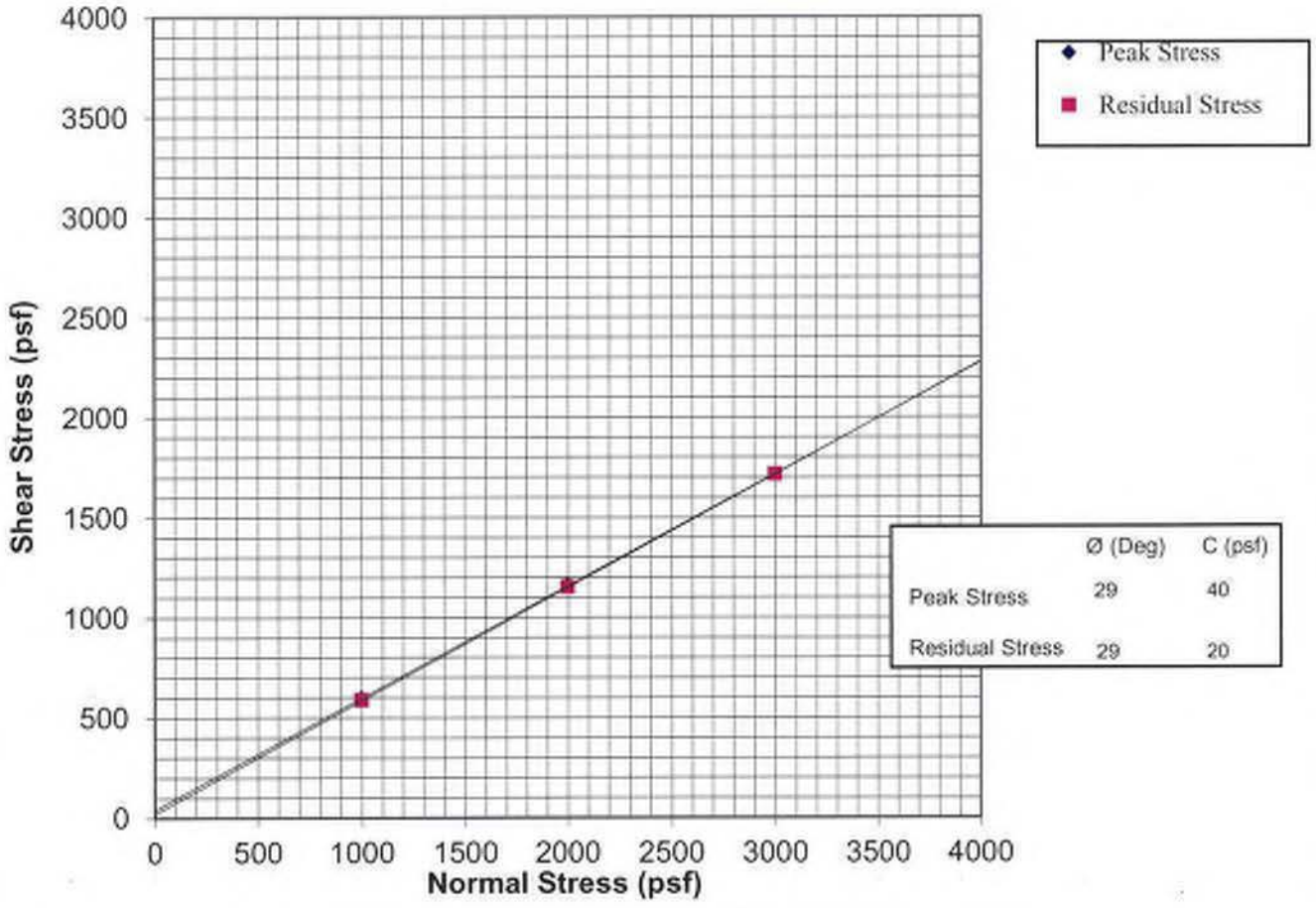
DIRECT SHEAR TEST

ASTM D3080

Plate A

Sample No.		T7@4'		
Sample Type:		Undisturbed-Saturated		
Soil Description:		Fine-Course Grained Sand w/ Some Small Gravel & T		
		1	2	3
Normal Stress	(psf)	1000	2000	3000
Peak Stress	(psf)	600	1164	1716
Displacement	(in.)	0.200	0.225	0.250
Residual Stress	(psf)	588	1152	1716
Displacemem	(in.)	0.250	0.250	0.250
Initial Dry Density	(pcf)	101.0	101.0	101.0
Initial Water Content	(%)	1.6	1.6	1.6
Strain Rate	(in./min.)	0.020	0.020	0.020





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PROJECT NUMBER: 23312-22 DATE: 6/7/2022

DIRECT SHEAR TEST

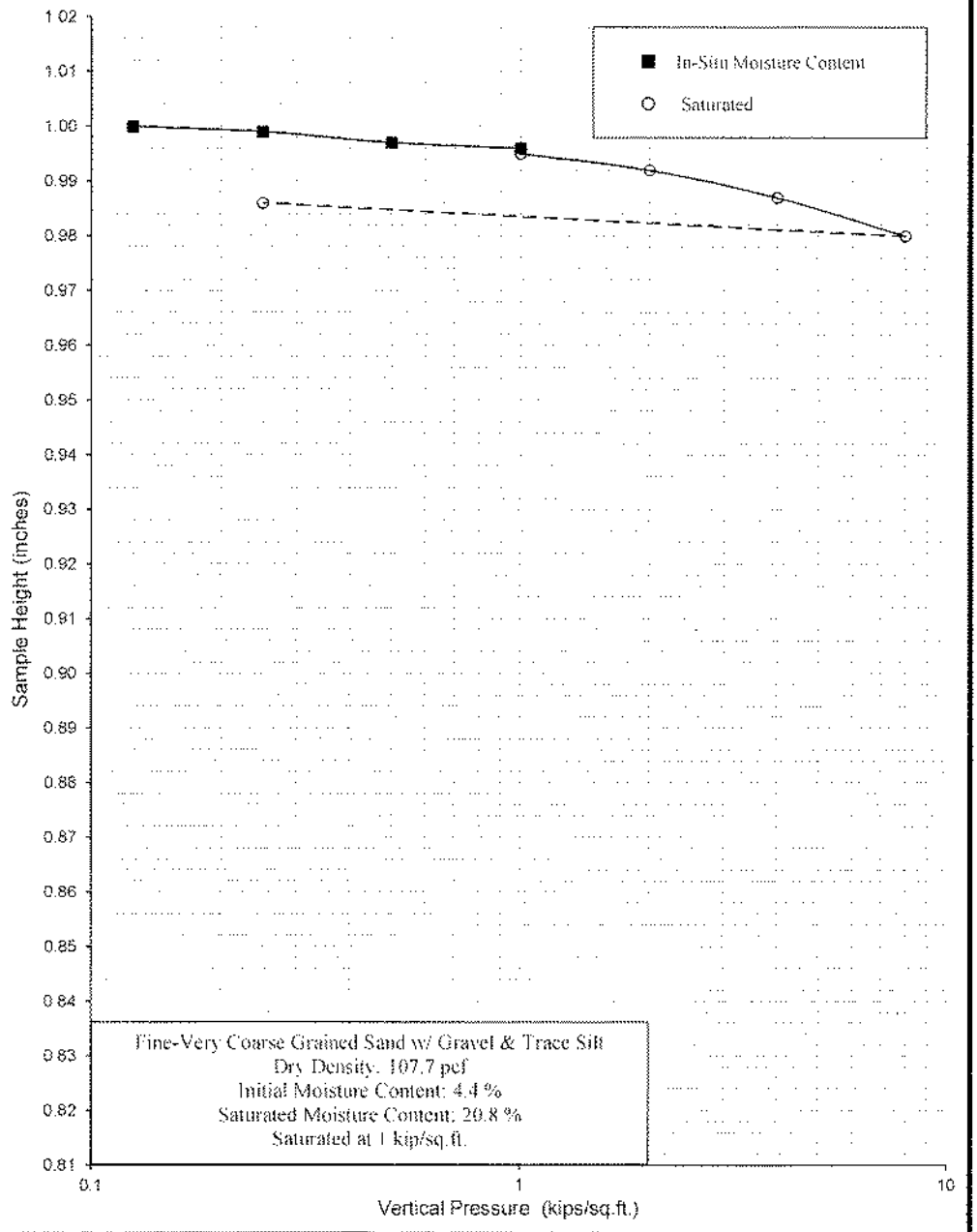
ASTM D3080

Plate B

Vertical Pressure (kips/sq.ft.)	Sample Height (inches)	Consolidation (percent)	
0.125	1.0000	0.0	
0.25	0.9990	0.1	
0.5	0.9970	0.3	
1	0.9960	0.4	
1	0.9950	0.5	Saturated
2	0.9920	0.8	
4	0.9870	1.3	
8	0.9800	2.0	
0.25	0.9860	1.4	

Date Tested: 6/2/2022
Sample: B1
Depth: 5'

Sample No.	B1	Depth	5'	Date	6/7/2022



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PROJECT NUMBER: 23312-22 DATE: 6/7/2022

CONSOLIDATION TEST

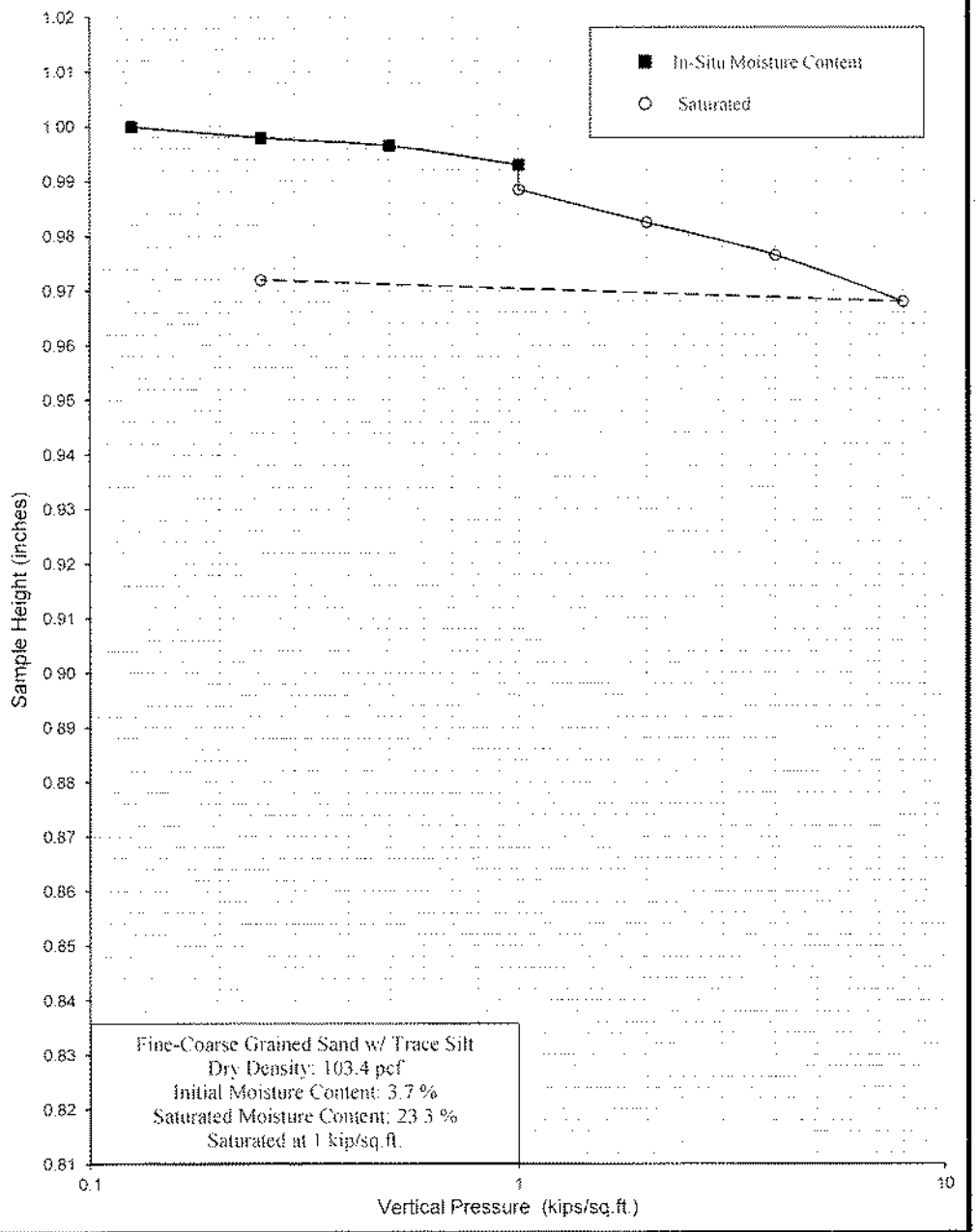
ASTM D2435

Plate C

Vertical Pressure (kips/sq.ft.)	Sample Height (inches)	Consolidation (percent)	
0.125	1.0000	0.0	
0.25	0.9980	0.2	
0.5	0.9965	0.4	
1	0.9930	0.7	
1	0.9885	1.2	Saturated
2	0.9825	1.8	
4	0.9765	2.4	
8	0.9680	3.2	
0.25	0.9720	2.8	

Date Tested:	6/2/2022
Sample:	T6
Depth:	10'

Sample No.	T6	Depth	10'	Date	6/7/2022



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SOILS AND GEOTECHNICAL CONSULTANTS

Patriot Development Partners

PROJECT NUMBER: 23312-22 DATE: 6/7/2022

CONSOLIDATION TEST

ASTM D2435

Plate D

Appendix C
Seismic Design Report

NorCal Engineering

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-22
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 1144.16 ft (NAVD 88)
Latitude: 34.106934
Longitude: -117.225697





ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

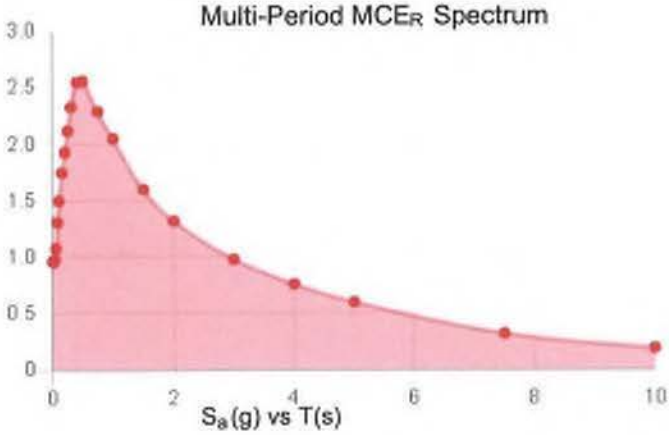
Seismic

Site Soil Class:

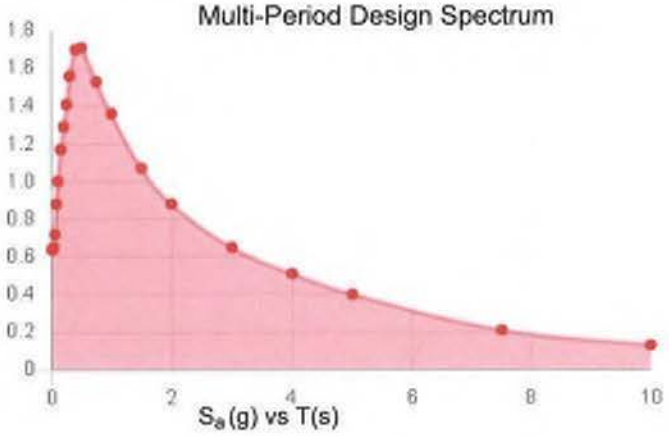
Results:

PGA_M :	0.8	T_L :	8
S_{MS} :	2.31	S_S :	2.38
S_{M1} :	2.73	S_1 :	0.93
S_{DS} :	1.54	S_{DC} :	
S_{D1} :	1.82	V_{S30} :	260

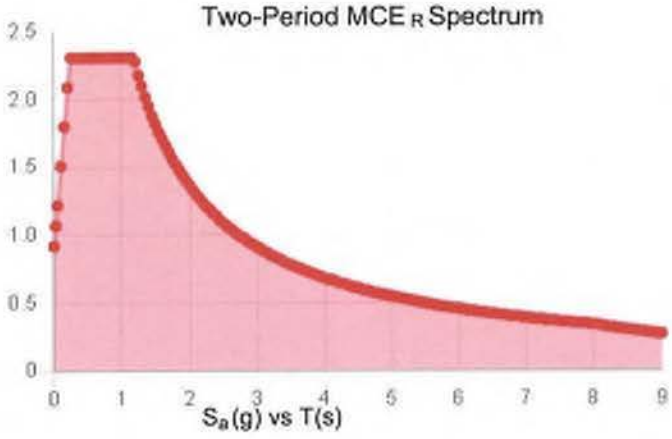
Multi-Period MCE_R Spectrum



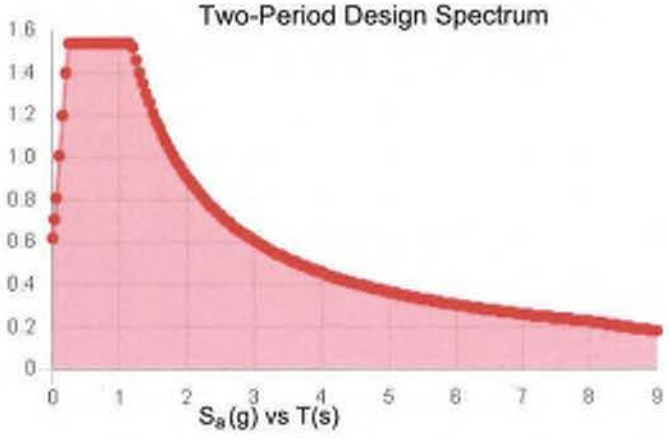
Multi-Period Design Spectrum



Two-Period MCE_R Spectrum



Two-Period Design Spectrum



MCE_R Vertical Response Spectrum

Vertical ground motion data has not yet been made available by USGS.

Design Vertical Response Spectrum

Vertical ground motion data has not yet been made available by USGS.

Data Accessed: Wed Jun 08 2022

Date Source:
USGS Seismic Design Maps based on ASCE/SEI 7-22 and ASCE/SEI 7-22 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-22 Ch. 21 are available from USGS.

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Appendix D
Soil Infiltration Data

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

SEE AMENDED CALCS IN FRONT OF SECTION

Project: Patriot Development Partners
Project No.: 23312-22
Date: 5/19/2022
Test No. 1
Depth: 10'
Tested By: J.S.

TIME (hr/min)	CHANGE TIME (min)	CUMULATIVE TIME (min)	INNER RING READING (cm)	INNER RING CHANGE	INNER RING FLOW (cc)	OUTER RING READING (cm)	OUTER RING CHANGE	OUTER RING FLOW (cc)	INNER RING INF RATE (cm/hr)	OUTER RING INF RATE (cm/hr)	INNER RING INF RATE (ft/hr)
10:21			70.0			41.4					
10:25	4	4	82.4	12.4		53.6	12.2				
10:25			69.2			39.8					
10:29	4	8	82.1	13.9		52.8	13.0				
10:29			68.2			39.7					
10:33	4	12	80.7	12.5		51.9	12.2				
10:33			69.8			40.9					
10:37	4	16	81.5	11.7		52.6	11.7				
10:37			68.0			39.0					
10:41	4	20	80.2	12.2		51.6	12.6				
10:41			68.2			39.4					
10:45	4	24	80.1	11.9		51.6	12.2				
10:45			69.1			39.6					
10:49	4	28	81.3	12.2		51.4	12.5		183.0	187.5	
10:49			68.2			39.8					
10:53	4	32	80.1	11.9		51.8	12.0		178.5	180.0	
10:53			68.3			39.6					
10:57	4	36	80.6	12.3		51.5	11.9		184.5	178.5	
10:57			68.7			39.2					
11:01	4	40	80.4	11.7		51.2	12.0		175.5	180.0	
11:01			69.1			39.4					
11:05	4	44	81.2	12.1		51.6	12.2		181.5	183.0	
11:05			68.3			39.7					
11:09	4	48	80.1	11.8		51.6	11.9		177.0	178.5	

Average = 180 / 181 cm/hr

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Project: Patriot Development Partners
Project No.: 23312-22
Date: 5/19/2022
Test No. 2
Depth: 12'
Tested By: J.S.

TIME (hr/min)	CHANGE TIME (min)	CUMULATIVE TIME (min)	INNER RING READING (cm)	INNER RING CHANGE	INNER RING FLOW (cc)	OUTER RING READING (cm)	OUTER RING CHANGE	OUTER RING FLOW (cc)	INNER RING INF RATE (cm/hr)	OUTER RING INF RATE (cm/hr)	INNER RING INF RATE (ft/hr)
12:03			97.0			40.0					
12:04	1	1	104.6	7.6		47.5	7.5				
12:04			97.1			40.2					
12:05	1	2	104.8	7.7		47.9	7.7				
12:05			95.8			39.4					
12:06	1	3	102.8	7.0		45.8	6.4				
12:06			97.5			40.1					
12:07	1	4	104.7	7.2		46.6	6.5				
12:07			97.5			40.1					
12:08	1	5	104.5	7.0		47.0	6.9				
12:08			97.3			39.2					
12:09	1	6	104.0	6.7		45.5	6.3				
12:09			98.2			40.3					
12:10	1	7	105.3	7.1		47.2	6.9		426.0	414.0	
12:10			97.3			40.3					
12:11	1	8	104.7	7.4		47.5	7.2		444.0	432.0	
12:11			98.1			40.0					
12:12	1	9	105.1	7.0		46.9	6.9		420.0	414.0	
12:12			97.5			39.8					
12:13	1	10	104.4	6.9		46.8	7.0		414.0	420.0	
12:13			97.8			40.3					
12:14	1	11	104.9	7.1		47.1	6.8		426.0	408.0	
12:14			97.0			40.1					
12:15	1	12	104.0	7.0		47.0	6.9		420.0	414.0	

Average = 425 / 417 cm/hr

Geotechnical Engineering Investigation
Proposed Industrial Warehouse Development
Southeast Corner of Victoria Avenue
and 5th Street
Highland, California

Patriot Partners
12126 W. Sunset Boulevard
Los Angeles, California 90049-4145

Attn: Kevin Rice

Project Number 23312-22
June 9, 2022

NorCal Engineering

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Project: Patriot Development Partners
Project No.: 23312-22
Date: 5/19/2022
Test No. 3
Depth: 10'
Tested By: J.S.

TIME (hr/min)	CHANGE TIME (min)	CUMULATIVE TIME (min)	INNER RING READING (cm)	INNER RING CHANGE	INNER RING FLOW (cc)	OUTER RING READING (cm)	OUTER RING CHANGE	OUTER RING FLOW (cc)	INNER RING INF RATE (cm/hr)	OUTER RING INF RATE (cm/hr)	INNER RING INF RATE (ft/hr)
1:46			69.5			39.2					
1:49	3	3	80.5	11.0		50.5	11.3				
1:49			68.2			38.5					
1:52	3	6	78.7	10.5		49.0	10.5				
1:52			67.4			38.1					
1:55	3	9	76.7	9.3		47.4	9.3				
1:55			70.1			40.8					
1:58	3	12	78.5	8.4		48.8	8.0				
1:58			72.2			43.2					
2:01	3	15	79.4	7.2		50.2	7.0				
2:01			68.2			40.2					
2:04	3	18	75.7	7.5		47.5	7.3				
2:04			68.2			38.3					
2:07	3	21	75.3	7.1		45.3	7.0		142.0	140.0	
2:07			68.0			38.8					
2:10	3	24	74.9	6.9		46.0	7.2		138.0	144.0	
2:10			68.8			39.1					
2:13	3	27	75.9	7.1		46.0	6.9		142.0	138.0	
2:13			68.7			38.7					
2:16	3	30	75.7	7.0		45.6	6.9		140.0	138.0	
2:16			69.1			39.0					
2:19	3	33	76.0	6.9		46.0	7.0		138.0	140.0	
2:19			68.4			38.8					
2:22	3	36	75.4	7.0		45.9	7.1		140.0	142.0	

Average = 140 / 140 cm/hr

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Project: Patriot Development Partners
Project No.: 23312-22
Date: 5/19/2022
Test No. 4
Depth: 12'
Tested By: J.S.

TIME (hr/min)	CHANGE TIME (min)	CUMULATIVE TIME (min)	INNER RING READING (cm)	INNER RING CHANGE	INNER RING FLOW (cc)	OUTER RING READING (cm)	OUTER RING CHANGE	OUTER RING FLOW (cc)	INNER RING INF RATE (cm/hr)	OUTER RING INF RATE (cm/hr)	INNER RING INF RATE (ft/hr)
2:07			96.5			38.2					
2:09	2	2	104.4	7.9		49.9	11.7				
2:09			95.8			40.5					
2:11	2	4	104.0	8.2		48.2	7.7				
2:11			96.0			41.5					
2:13	2	6	103.1	7.1		48.2	6.7				
2:13			98.3			43.2					
2:15	2	8	104.6	6.3		49.7	6.5				
2:15			99.4			43.8					
2:17	2	10	105.0	5.6		49.5	5.7				
2:17			98.4			43.0					
2:19	2	12	103.2	4.8		47.8	4.8				
2:19			97.0			42.2					
2:21	2	14	102.2	5.2		47.3	5.1		156.0	153.0	
2:21			96.5			42.2					
2:23	2	16	103.0	6.5		47.8	5.6		195.0	168.0	
2:23			95.7			40.3					
2:25	2	18	101.5	5.8		45.8	5.5		174.0	165.0	
2:25			95.5			41.7					
2:27	2	20	100.7	5.2		47.4	5.7		156.0	171.0	
2:27			96.1			40.5					
2:29	2	22	101.6	5.5		45.8	5.3		165.0	159.0	
2:29			95.4			40.2					
2:31	2	24	101.1	5.7		45.8	5.6		171.0	168.0	

Average = 169.5 / 164 cm/hr

VII.4.1. Site Suitability Considerations

Suitability assessment related considerations include (**Table VII.3**):

- Soil assessment methods – the site assessment extent (e.g., number of borings, test pits, etc.) and the measurement method used to estimate the short-term infiltration rate.
- Predominant soil texture/percent fines – soil texture and the percent of fines can greatly influence the potential for clogging.
- Site soil variability – site with spatially heterogeneous soils (vertically or horizontally) as determined from site investigations are more difficult to estimate average properties for resulting in a higher level of uncertainty associated with initial estimates.
- Depth to seasonal high groundwater/impervious layer – groundwater mounding may become an issue during excessively wet conditions where shallow aquifers or shallow clay lenses are present.

Table VII.3: Suitability Assessment Related Considerations for Infiltration Facility Safety Factors

Consideration	High Concern	Medium Concern	Low Concern	
Assessment methods (see explanation below)	Use of soil survey maps or simple texture analysis to estimate short-term infiltration rates	Direct measurement of ≥ 20 percent of infiltration area with localized infiltration measurement methods (e.g., infiltrometer)	Direct measurement of ≥ 50 percent of infiltration area with localized infiltration measurement methods or Use of extensive test pit infiltration measurement methods	Per infiltration report in Attachment D
Texture Class	Silty and clayey soils with significant fines	Loamy soils	Granular to slightly loamy soils	Per infiltration report in Attachment D
Site soil variability	Highly variable soils indicated from site assessment or limited soil borings collected during site assessment	Soil borings/test pits indicate moderately homogeneous soils	Multiple soil borings/test pits indicate relatively homogeneous soils	Per infiltration report in Attachment D
Depth to groundwater/ impervious layer	<5 ft below facility bottom	5-10 ft below facility bottom	>10 below facility bottom	Per infiltration report in Attachment D

Localized infiltration testing refers to methods such as the double ring infiltrometer test (ASTM D3385-88) which measure infiltration rates over an area less than 10 sq-ft, may include lateral

flow, and do not attempt to account for heterogeneity of soil. The amount of area each test represents should be estimated depending on the observed heterogeneity of the soil.

Extensive infiltration testing refers to methods that include excavating a significant portion of the proposed infiltration area, filling the excavation with water, and monitoring drawdown. The excavation should be to the depth of the proposed infiltration surface and ideally be at least 50 to 100 square feet.

In all cases, testing should be conducted in the area of the proposed BMP where, based on review of available geotechnical data, soils appear least likely to support infiltration.

VII.4.2. Design Related Considerations

Design related considerations include (**Table VII.4**):

- Size of area tributary to facility – all things being equal, risk factors related to infiltration facilities increase with an increase in the tributary area served. Therefore facilities serving larger tributary areas should use more restrictive adjustment factors.
- Level of pretreatment/expected influent sediment loads – credit should be given for good pretreatment by allowing less restrictive factors to account for the reduced probability of clogging from high sediment loading. Also, facilities designed to capture runoff from relatively clean surfaces such as rooftops are likely to see low sediment loads and therefore should be allowed to apply less restrictive safety factors.
- Redundancy – facilities that consist of multiple subsystems operating in parallel such that parts of the system remains functional when other parts fail and/or bypass should be rewarded for the built-in redundancy with less restrictive correction and safety factors. For example, if bypass flows would be at least partially treated in another BMP, the risk of discharging untreated runoff in the event of clogging the primary facility is reduced. A bioretention facility that overflows to a landscaped area is another example.
- Compaction during construction – proper construction oversight is needed during construction to ensure that the bottoms of infiltration facility are not overly compacted. Facilities that do not commit to proper construction practices and oversight should have to use more restrictive correction and safety factors.

Table VII.4: Design Related Considerations for Infiltration Facility Safety Factors

Consideration	High Concern	Medium Concern	Low Concern
Tributary area size	Greater than 10 acres.	Greater than 2 acres but less than 10 acres.	2 acres or less.
Level of pretreatment/ expected influent sediment loads	Pretreatment from gross solids removal devices only, such as hydrodynamic separators, racks and screens AND tributary area includes landscaped areas, steep slopes, high traffic areas, or any other areas expected to produce high sediment, trash, or debris loads.	Good pretreatment with BMPs that mitigate coarse sediments such as vegetated swales AND influent sediment loads from the tributary area are expected to be relatively low (e.g., low traffic, mild slopes, disconnected impervious areas, etc.).	Excellent pretreatment with BMPs that mitigate fine sediments such as bioretention or media filtration OR sedimentation or facility only treats runoff from relatively clean surfaces, such as rooftops.
Redundancy of treatment	No redundancy in BMP treatment train.	Medium redundancy, other BMPs available in treatment train to maintain at least 50% of function of facility in event of failure.	High redundancy, multiple components capable of operating independently and in parallel, maintaining at least 90% of facility functionality in event of failure.
Compaction during construction	Construction of facility on a compacted site or elevated probability of unintended/ indirect compaction.	Medium probability of unintended/ indirect compaction.	Heavy equipment actively prohibited from infiltration areas during construction and low probability of unintended/ indirect compaction.

7.82 acres

VII.4.3. Determining Factor of Safety

A factor of safety shall be used. To assist in selecting the appropriate design infiltration rate, the measured short term infiltration rate should be adjusted using a weighted average of several safety factors using the worksheet shown in **Worksheet H** below. The design infiltration rate would be determined as follows:

1. For each consideration shown in **Table VII.3** and **Table VII.4** above, determine whether the consideration is a high, medium, or low concern.
2. For all high concerns, assign a factor value of 3, for medium concerns, assign a factor value of 2, and for low concerns assign a factor value of 1.
3. Multiply each of the factors by the corresponding weight to get a product.
4. Sum the products within each factor category to obtain a safety factor for each.
5. Multiply the two safety factors together to get the final combined safety factor. If the combined safety factor is less than 2, then 2 shall be used as the safety factor.
6. Divide the measured short term infiltration rate by the combined safety factor to obtain the adjusted design infiltration rate for use in sizing the infiltration facility.

The design infiltration rate shall be used to size BMPs and to evaluate their expected long term performance. This rate shall not be less than 2, but may be higher at the discretion of the design engineer.

Worksheet H: Factor of Safety and Design Infiltration Rate and Worksheet

Factor Category		Factor Description	Assigned Weight (w)	Factor Value (v)	Product (p) p = w x v
A	Suitability Assessment	Soil assessment methods	0.25	1	0.25
		Predominant soil texture	0.25	1	0.25
		Site soil variability	0.25	1	0.25
		Depth to groundwater / impervious layer	0.25	1	0.25
		Suitability Assessment Safety Factor, $S_A = \Sigma p$			1.00
B	Design	Tributary area size	0.25	2	0.50
		Level of pretreatment/ expected sediment loads	0.25	2	0.50
		Redundancy	0.25	1	0.25
		Compaction during construction	0.25	1	0.25
		Design Safety Factor, $S_B = \Sigma p$			1.50
Combined Safety Factor, $S_{TOT} = S_A \times S_B$					2.50, use 5
Measured Infiltration Rate, inch/hr, K_M (corrected for test-specific bias)					61.9
Design Infiltration Rate, in/hr, $K_{DESIGN} = ~~S_{TOT} \times K_M~~ \; K_M \div S_{TOT}$					12.4, use 2.4

Supporting Data

Briefly describe infiltration test and provide reference to test forms:

*See Attachment D for Infiltration Report for infiltration rate. Infiltration rate 61.9 in/hr will be used per CASQA guidance.

Note: The minimum combined adjustment factor shall not be less than 2.0 and the maximum combined adjustment factor shall not exceed 9.0.

VII.5. References

ASTM D 3385-94, 2003. "Standard Test Method for Infiltration Rate of Soils Field Using Double-Ring Infiltrometer." American Society for Testing Materials, Conshohocken, PA. 10 Jun, 2003.

Caltrans, 2003. "Infiltration Basin Site Selection". Study Volume I. California Department of Transportation. Report No. CTSW-RT-03-025.

City of Portland, 2010. *Appendix F.2: Infiltration Testing.* Portland Stormwater Management Manual, Revised February 1, 2010.

United States Department of the Interior, Bureau of Reclamation (USBR), 1990a, "Procedure for Performing Field Permeability Testing by the Well Permeameter Method (USBR 7300-89)," in Earth Manual, Part 2, A Water Resources Technical Publication, 3rd ed., Bureau of Reclamation, Denver, Colo.

Attachment E
Maintenance Agreement

This section will be provided in Final WQMP

Appendix G
Preliminary Drainage Report

PRELIMINARY DRAINAGE REPORT

For

5TH AT VICTORIA INDUSTRIAL

APN: 1192-551-01, -02, -03, -04, -05, -06, -07, -12, -13, -14, -15

PROJECT LOCATION

Southeast Corner of 5th Street & Victoria Avenue
Highland, California

PREPARED FOR

Patriot Development Partners
12126 W. Sunset Blvd.
Los Angeles, CA 90049
(858) 952-4134

PREPARED BY

Huitt-Zollars, Inc.
3990 Concours, Suite 330
Ontario, Ca 91764
Ph: (909) 941-7799
Fax: (909) 941-7789

Manuel Gonzales, P.E.
C65195, Exp 09/30/2023

PREPARATION DATE

08/29/2022

HZ PROJECT NUMBER

R315482.01

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Appendix A — Preliminary Drainage Maps
- 100-year Storm Event – Existing Condition
- 100-year Storm Event – Proposed Condition

Appendix B — 100-year Rational Method
- Existing Condition
- Proposed Condition

Appendix C — 100-year Existing & Proposed Unit Hydrograph Infiltration/Detention System Basin Routing

Appendix D — Stormwater Facility Mapping Hydrologic Soils Type Isohyetal Maps

Appendix E — Selected References

Introduction
The project is a new development of an industrial facility located at the southeast corner of 5th Street and Victoria Avenue in Highland, California. Proposed building is approximately 176,066 square feet on approximately 7.23 acres. Currently, the southeast portion of the site is used as a car and trailer storage yard and directly south of the property are residential homes facing Central Ave.

Purpose
The purpose of this preliminary report is to present the drainage concept for the project and to determine the design flow rates and estimate storm drain sizes that will be needed for the proposed development. The drainage maps (Appendix A) and calculations reflect the tributary areas and 100-year storm event runoff flows (Q100).

Existing Condition
The northerly portion of the site is vacant with scattered grass. The site slopes down by approximately 0.7% from the northeast corner to the southwest corner and has about six (6) feet of fall from upstream to downstream. Existing runoff sheet flows onto the 3rd Street and Victoria Intersection where it is intercepted by existing catch basins. The collected flow then discharges to the 3rd Street Storm Drain system, followed by the City Creek Channel, Santa Ana River, and finally enters the Prado Basin. See Appendix A for existing drainage map.

Proposed Condition
The proposed post-development drainage pattern preserves the existing drainage pattern. See Appendix A for the proposed on-site hydrology map. For the proposed development, all onsite runoff will be directed to the onsite underground infiltration/detention system on the west side of the site. The underground infiltration system is designed to retain and treat runoff through infiltration of the design capture volume. The overflow from the infiltration system will be directed through a proposed 24-inch outlet connecting to the back of the existing catch basin on Victoria Avenue which discharges to the 3rd Street Storm Drain System.

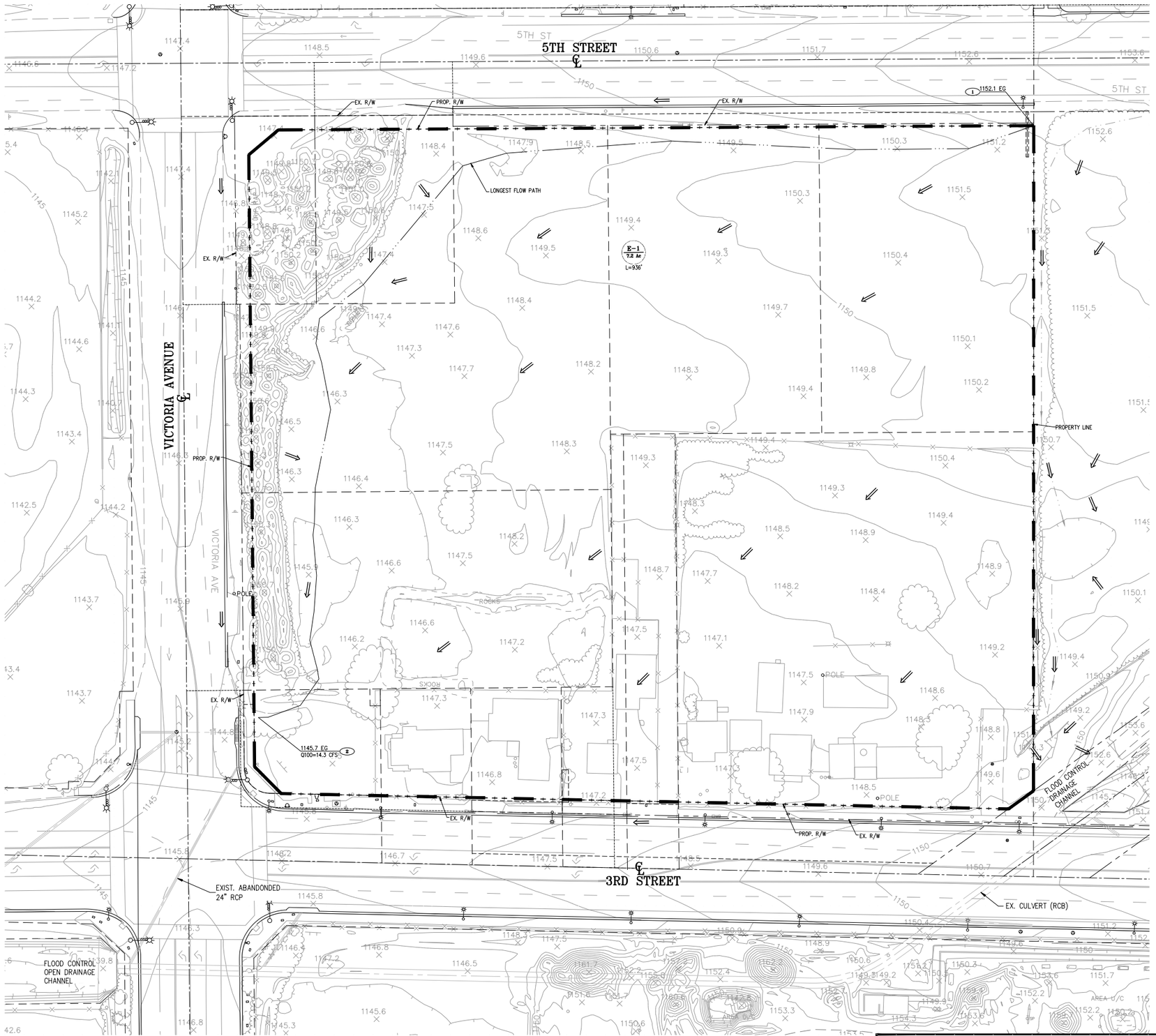
Hydrologic Analysis
A hydrologic analysis was prepared using the methodology outlined in the San Bernardino County Flood Control District (SBCFCD) Hydrology Manual. A rational method analysis was completed for existing and proposed 100-year storm event using Civild software, version 7.1. Unit Hydrograph and Basin Routing analyses were also completed using Civild software.

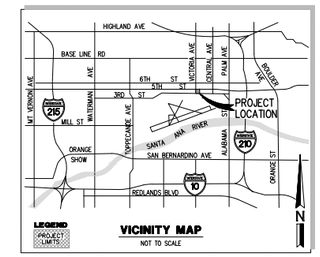
The 100-year 1-hour storm depth was taken from the isohyetal maps in the County of San Bernardino Hydrology Manual. The site's hydrologic soils type is "B" and was taken from San Bernardino County's Stormwater Facility Mapping Tool. For the proposed development's hydrologic analysis, a commercial land use was used with an AMC of 3. See Appendix D for hydrologic soils type and isohyetal maps.

Discussion
It is our understanding that peak storm mitigation from a developed condition is not required for this project or in this area. Nonetheless, according to the hydrologic and basin routing analysis for existing and proposed conditions, the results indicate the proposed Q100 flow will be reduced by the underground system prior to discharge to the Victoria Avenue Storm Drain System. The design capture volume will be retained onsite through infiltration.

See Appendix B for hydrologic analysis and Appendix C for basin routing summary, unit hydrograph, and basin routing analyses. All proposed drainage and storm drain facilities will be sized adequately for Q100 and calculations will be provided in the final drainage report.

Appendix A
Preliminary Drainage Maps
100 Year Storm Event – Existing Condition
100 Year Storm Event – Proposed Condition





LEGEND

- NO. — HYDROLOGY MODEL NODE NUMBER
- E-1 / 7.4 Ac — TRIBUTARY AREA IN ACRES
- 612' — LENGTH OF FLOW
- DRAINAGE BOUNDARY
- FLOW DIRECTION

N

0 15 30 60 90

SCALE 1" = 30'

ENGINEER
HUITT-ZOLLARS
3990 CONCOURS, SUITE 330
ONTARIO, CALIFORNIA 91764
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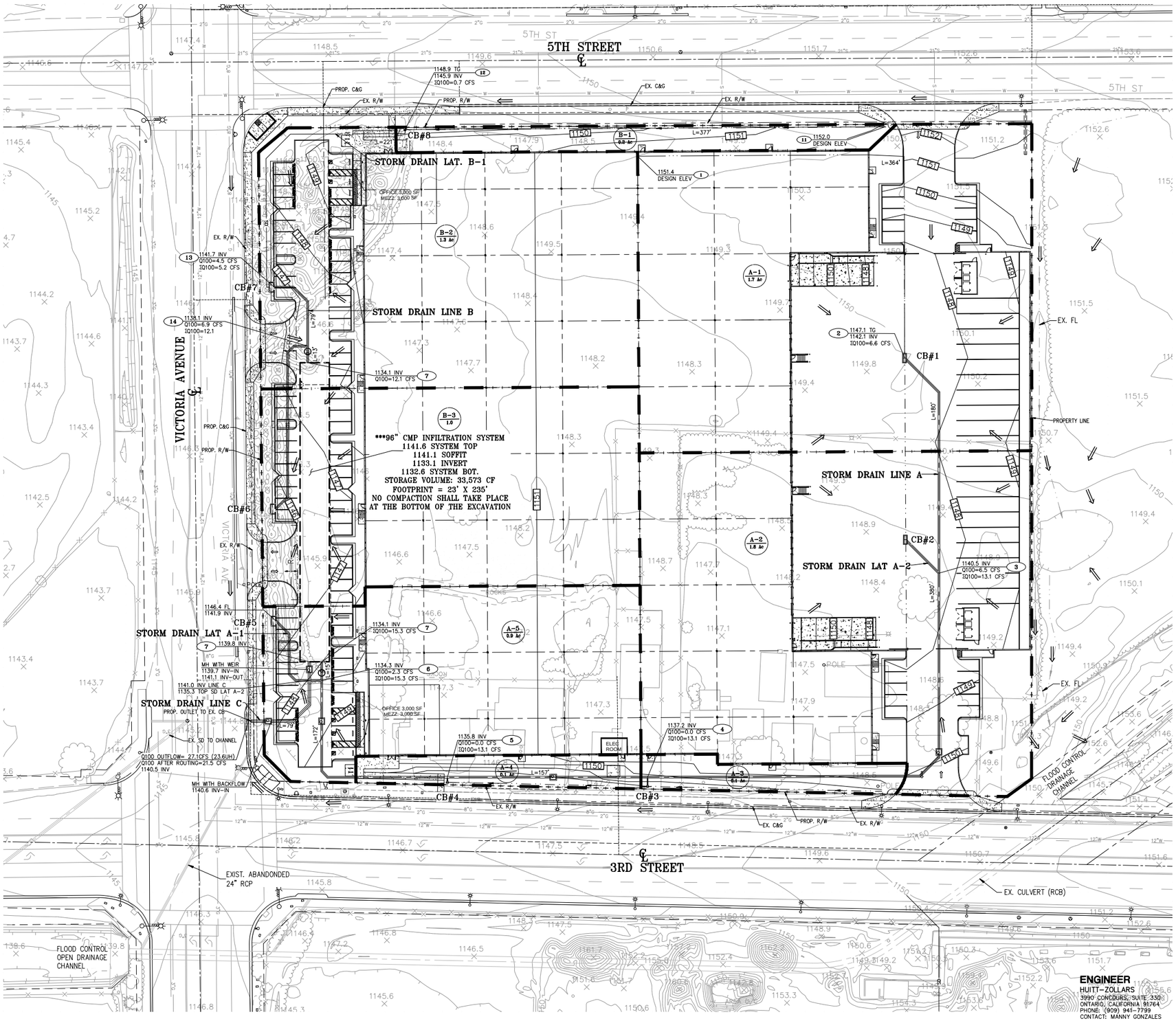
OWNER
PATRIOT DEVELOPMENT PARTNERS
12126 W.SUNSET BLVD.
LOS ANGELES, CA 90049
PHONE: 858-952-4134
CONTACT: KEVIN RICE

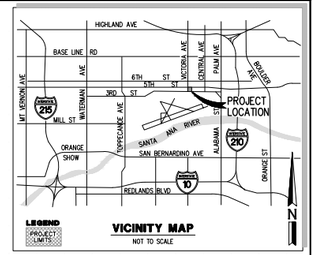
PRELIMINARY HYDROLOGY MAP
EXISTING CONDITION
5th AT VICTORIA INDUSTRIAL
CITY OF HIGHLAND

HUITT-ZOLLARS
HUITT-ZOLLARS, INC.
3990 CONCOURS, SUITE 330 * ONTARIO, CALIFORNIA 91764 * (909) 941-7799

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CHECKED BY	M.G.
FIELD BOOK	
SHEET	1 OF 1 SHEETS
JOB NO.	315482.01

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LEGEND

- NO. — HYDROLOGY MODEL NODE NUMBER
- A-11 / 7.40 Ac / 673' — TRIBUTARY AREA IN ACRES; LENGTH OF FLOW
- DRAINAGE BOUNDARY
- DRAINAGE INLET/CATCH BASIN (CB)
- SD — PROPOSED STORM DRAIN
- CB — CATCH BASIN
- PD — PLANTER DRAIN
- RD — ROOF DRAIN
- FLOW DIRECTION

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CONTACT: KEVIN RICE

N

0 15 30 60 90
SCALE 1" = 30'

PRELIMINARY HYDROLOGY MAP
PROPOSED CONDITION
5th AT VICTORIA INDUSTRIAL
CITY OF HIGHLAND

HUITT-ZOLLARS
HUITT-ZOLLARS, INC.
3990 CONCOURS, SUITE 330 * ONTARIO, CALIFORNIA 91764 * (909) 941-7799

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Appendix B
100-year Rational Method Hydrologic Analysis
Existing Condition
Proposed Condition

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 07/29/22

PATRIOT - 5TH AT VICTORIA INDUSTRIAL
100 YEAR 1 HOUR STORM EVENT – EXISTING CONDITION
5482Q100E
BP

Program License Serial Number 6145

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.280 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

++
Process from Point/Station 1.000 to Point/Station 2.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 78.00
Adjusted SCS curve number for AMC 3 = 92.80
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.140(In/Hr)
Initial subarea data:
Initial area flow distance = 936.000(Ft.)
Top (of initial area) elevation = 1152.100(Ft.)
Bottom (of initial area) elevation = 1145.700(Ft.)
Difference in elevation = 6.450(Ft.)
Slope = 0.00689 s(%)= 0.69
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 21.929 min.
Rainfall intensity = 2.341(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.846

Subarea runoff = 14.325(CFS)
Total initial stream area = 7.230(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.140(In/Hr)
End of computations, Total Study Area = 7.23 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 78.0

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 09/02/22

PATRIOT - 5TH AT VICTORIA INDUSTRIAL
100 YEAR 1 HOUR STORM EVENT - PROPOSED CONDITION
5482Q100P
BP

Program License Serial Number 6145

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.280 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

++
Process from Point/Station 1.000 to Point/Station 2.000
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 56.00
Adjusted SCS curve number for AMC 3 = 75.80
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.044(In/Hr)
Initial subarea data:
Initial area flow distance = 364.000(Ft.)
Top (of initial area) elevation = 1151.400(Ft.)
Bottom (of initial area) elevation = 1147.100(Ft.)
Difference in elevation = 4.300(Ft.)
Slope = 0.01181 s(%)= 1.18
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 7.813 min.
Rainfall intensity = 4.349(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.891
Subarea runoff = 6.587(CFS)
Total initial stream area = 1.700(Ac.)
Pervious area fraction = 0.100
Initial area Fm value = 0.044(In/Hr)

++
Process from Point/Station 2.000 to Point/Station 3.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****

Upstream point/station elevation = 1142.100(Ft.)
Downstream point/station elevation = 1140.500(Ft.)
Pipe length = 180.00(Ft.) Manning's N = 0.013

```
No. of pipes = 1  Required pipe flow  =     6.587(CFS)
Nearest computed pipe diameter  =     18.00(In.)
Calculated individual pipe flow  =     6.587(CFS)
Normal flow depth in pipe =   10.73(In.)
Flow top width inside pipe =   17.66(In.)
Critical Depth =   11.91(In.)
Pipe flow velocity =      6.00(Ft/s)
Travel time through pipe =    0.50 min.
Time of concentration (TC) =     8.31 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.000 to Point/Station        3.000
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------------
COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 56.00
Adjusted SCS curve number for AMC 3 = 75.80
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.044(In/Hr)
Time of concentration =     8.31 min.
Rainfall intensity =      4.190(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.891
Subarea runoff =      6.474(CFS) for    1.800(Ac.)
Total runoff =     13.060(CFS)
Effective area this stream =        3.50(Ac.)
Total Study Area (Main Stream No. 1) =        3.50(Ac.)
Area averaged Fm value =    0.044(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        3.000 to Point/Station        4.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------------
Upstream point/station elevation =  1140.500(Ft.)
Downstream point/station elevation =  1137.200(Ft.)
Pipe length  =   380.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    13.060(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    13.060(CFS)
Normal flow depth in pipe =   15.35(In.)
Flow top width inside pipe =   18.62(In.)
Critical Depth =   16.14(In.)
Pipe flow velocity =      6.93(Ft/s)
Travel time through pipe =    0.91 min.
Time of concentration (TC) =     9.23 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.000 to Point/Station        4.000
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------------
COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 56.00
Adjusted SCS curve number for AMC 3 = 75.80
```

```
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.044(In/Hr)
The area added to the existing stream causes a
a lower flow rate of Q =     12.610(CFS)
therefore the upstream flow rate of Q =     13.060(CFS) is being used
Time of concentration =     9.23 min.
Rainfall intensity =      3.936(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.890
Subarea runoff =      0.000(CFS) for    0.100(Ac.)
Total runoff =     13.060(CFS)
Effective area this stream =        3.60(Ac.)
Total Study Area (Main Stream No. 1) =        3.60(Ac.)
Area averaged Fm value =    0.044(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        4.000 to Point/Station        5.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1137.200(Ft.)
Downstream point/station elevation =  1135.800(Ft.)
Pipe length  =   157.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    13.060(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    13.060(CFS)
Normal flow depth in pipe =   15.19(In.)
Flow top width inside pipe =   18.79(In.)
Critical Depth =   16.14(In.)
Pipe flow velocity =      7.01(Ft/s)
Travel time through pipe =    0.37 min.
Time of concentration (TC) =     9.60 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.000 to Point/Station        5.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 56.00
Adjusted SCS curve number for AMC 3 = 75.80
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.044(In/Hr)
The area added to the existing stream causes a
a lower flow rate of Q =     12.652(CFS)
therefore the upstream flow rate of Q =     13.060(CFS) is being used
Time of concentration =     9.60 min.
Rainfall intensity =      3.843(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.890
Subarea runoff =      0.000(CFS) for    0.100(Ac.)
Total runoff =     13.060(CFS)
Effective area this stream =        3.70(Ac.)
Total Study Area (Main Stream No. 1) =        3.70(Ac.)
Area averaged Fm value =    0.044(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        5.000 to Point/Station        6.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
```

```
Upstream point/station elevation =  1135.800(Ft.)
Downstream point/station elevation =  1134.300(Ft.)
Pipe length  =   172.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    13.060(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    13.060(CFS)
Normal flow depth in pipe =   15.33(In.)
Flow top width inside pipe =   18.65(In.)
Critical Depth =   16.14(In.)
Pipe flow velocity =      6.94(Ft/s)
Travel time through pipe =    0.41 min.
Time of concentration (TC) =    10.01 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        6.000 to Point/Station        6.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 56.00
Adjusted SCS curve number for AMC 3 = 75.80
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.044(In/Hr)
Time of concentration =    10.01 min.
Rainfall intensity =      3.748(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.889
Subarea runoff =      2.273(CFS) for    0.900(Ac.)
Total runoff =     15.333(CFS)
Effective area this stream =        4.60(Ac.)
Total Study Area (Main Stream No. 1) =        4.60(Ac.)
Area averaged Fm value =    0.044(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        6.000 to Point/Station        7.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1134.300(Ft.)
Downstream point/station elevation =  1134.100(Ft.)
Pipe length  =    15.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    15.333(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    15.333(CFS)
Normal flow depth in pipe =   14.72(In.)
Flow top width inside pipe =   19.23(In.)
Critical Depth =   17.37(In.)
Pipe flow velocity =      8.52(Ft/s)
Travel time through pipe =    0.03 min.
Time of concentration (TC) =    10.04 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        7.000 to Point/Station        7.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      4.600(Ac.)
Runoff from this stream =     15.333(CFS)
```

```
Time of concentration =   10.04 min.
Rainfall intensity =     3.741(In/Hr)
Area averaged loss rate (Fm) =    0.0440(In/Hr)
Area averaged Pervious ratio (Ap) = 0.1000
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       11.000 to Point/Station       12.000
**** INITIAL AREA EVALUATION ****
----------------------------------------------------------------------------
COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 56.00
Adjusted SCS curve number for AMC 3 = 75.80
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.044(In/Hr)
Initial subarea data:
Initial area flow distance =   377.000(Ft.)
Top (of initial area) elevation =  1152.000(Ft.)
Bottom (of initial area) elevation =  1148.900(Ft.)
Difference in elevation =     3.100(Ft.)
Slope =    0.00822  s(%)=       0.82
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.519 min.
Rainfall intensity =      4.129(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.890
Subarea runoff =      0.735(CFS)
Total initial stream area =        0.200(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.044(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       12.000 to Point/Station       13.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
----------------------------------------------------------------------------
Upstream point/station elevation =  1145.900(Ft.)
Downstream point/station elevation =  1141.700(Ft.)
Pipe length  =   221.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     0.735(CFS)
Nearest computed pipe diameter  =      6.00(In.)
Calculated individual pipe flow  =     0.735(CFS)
Normal flow depth in pipe =    4.68(In.)
Flow top width inside pipe =    4.98(In.)
Critical Depth =    5.17(In.)
Pipe flow velocity =      4.48(Ft/s)
Travel time through pipe =    0.82 min.
Time of concentration (TC) =     9.34 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       13.000 to Point/Station       13.000
**** SUBAREA FLOW ADDITION ****
----------------------------------------------------------------------------
COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 56.00
```

```
Adjusted SCS curve number for AMC 3 = 75.80
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.044(In/Hr)
Time of concentration =     9.34 min.
Rainfall intensity =      3.907(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.890
Subarea runoff =      4.480(CFS) for    1.300(Ac.)
Total runoff =      5.215(CFS)
Effective area this stream =        1.50(Ac.)
Total Study Area (Main Stream No. 2) =        6.10(Ac.)
Area averaged Fm value =    0.044(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       13.000 to Point/Station       14.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1141.700(Ft.)
Downstream point/station elevation =  1138.100(Ft.)
Pipe length  =    79.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     5.215(CFS)
Nearest computed pipe diameter  =     12.00(In.)
Calculated individual pipe flow  =     5.215(CFS)
Normal flow depth in pipe =    7.30(In.)
Flow top width inside pipe =   11.71(In.)
Critical Depth =   11.13(In.)
Pipe flow velocity =     10.43(Ft/s)
Travel time through pipe =    0.13 min.
Time of concentration (TC) =     9.47 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       14.000 to Point/Station       14.000
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 0.000
Decimal fraction soil group B = 1.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 56.00
Adjusted SCS curve number for AMC 3 = 75.80
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.044(In/Hr)
Time of concentration =     9.47 min.
Rainfall intensity =      3.876(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.890
Subarea runoff =      6.855(CFS) for    2.000(Ac.)
Total runoff =     12.070(CFS)
Effective area this stream =        3.50(Ac.)
Total Study Area (Main Stream No. 2) =        8.10(Ac.)
Area averaged Fm value =    0.044(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       14.000 to Point/Station        7.000
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
________________________________________________________________________
Upstream point/station elevation =  1138.100(Ft.)
Downstream point/station elevation =  1134.100(Ft.)
Pipe length  =    13.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.070(CFS)
Nearest computed pipe diameter  =     12.00(In.)
```

```
Calculated individual pipe flow  =    12.070(CFS)
Normal flow depth in pipe =    6.77(In.)
Flow top width inside pipe =   11.90(In.)
Critical depth could not be calculated.
Pipe flow velocity =     26.41(Ft/s)
Travel time through pipe =    0.01 min.
Time of concentration (TC) =     9.48 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station        7.000 to Point/Station        7.000
**** CONFLUENCE OF MAIN STREAMS ****
------------------------------------------------------------------------
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      3.500(Ac.)
Runoff from this stream =     12.070(CFS)
Time of concentration =    9.48 min.
Rainfall intensity =     3.874(In/Hr)
Area averaged loss rate (Fm) =    0.0440(In/Hr)
Area averaged Pervious ratio (Ap) = 0.1000
Summary of stream data:

Stream Flow rate    Area     TC     Fm       Rainfall Intensity
 No.    (CFS)    (Ac.)       (min) (In/Hr)     (In/Hr)


1     15.33     4.600     10.04    0.044      3.741
2     12.07     3.500      9.48    0.044      3.874
Qmax(1) =
          1.000 *    1.000 *    15.333) +
          0.965 *    1.000 *    12.070) + =      26.985
Qmax(2) =
          1.036 *    0.943 *    15.333) +
          1.000 *    1.000 *    12.070) + =      27.057

Total of 2 main streams to confluence:
Flow rates before confluence point:
      16.333      13.070
Maximum flow rates at confluence using above data:
       26.985       27.057
Area of streams before confluence:
        4.600        3.500
Effective area values after confluence:
        8.100        7.840


Results of confluence:
Total flow rate =     27.057(CFS)
Time of concentration =     9.475 min.
Effective stream area after confluence  =      7.840(Ac.)
Study area average Pervious fraction(Ap) =  0.100
Study area average soil loss rate(Fm) =    0.044(In/Hr)
Study area total =       8.10(Ac.)
End of computations, Total Study Area =            8.10 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged SCS curve number =  56.0
```

Appendix C
100-year Existing & Proposed Unit Hydrograph Studies
Infiltration/ Detention System Basin Routing Studies

5th at Victoria Industrial

Detention/ Infiltration System Routing Study Summary

Stage Storage Table

#	Depth	Elevation	Area (sf)	Incremental volume (cf)	Total Volume (cf)	Total Volume (acre-ft)	Outflow Q	Notes
1	0.0	1,132.60	5,405	0	0	0		**Bottom of 96" CMP Infiltration/ Detention System**
2	0.5	1,133.10	5,405	1,081	1,081	0.025	1.19	**Invert of 96" CMP**
3	1.5	1,134.10	5,405	3,180	4,261	0.098	1.19	
4	2.5	1,135.10	5,405	3,903	8,164	0.187	1.19	
5	3.5	1,136.10	5,405	4,237	12,401	0.285	1.19	
6	4.5	1,137.10	5,405	4,385	16,786	0.385	1.19	
7	5.5	1,138.10	5,405	4,385	21,171	0.486	1.19	
8	6.5	1,139.10	5,405	4,237	25,408	0.583	1.19	
9	7.5	1,140.10	5,405	3,903	29,311	0.673	1.19	***Meets WQMP DCV @ 1,139.8**
10	8.5	1,141.10	5,405	3,180	32,492	0.746	1.19	**Soffit of 96" CMP Release overflow modeled at 1142.1 Center of 24" (1141.1 + 1)**
11	9.0	1,141.60	5,405	1,081	33,573	0.771	3.56	**Top of Infiltration/ Detention System**
12	11.00	1,143.60	5,405	0	33,573	0.771	19.72	
13	11.50	1,144.10	5,405	0	33,573	0.771	22.58	
14	12.50	1,145.10	5,405	0	33,573	0.771	27.39	

Infiltration rate per geotechnical report = 56"/hr, Factor of Safety =6.
Unit convert = (56"/hr)/6 x (1'/12") X (1hr/60min) X (1 min/60 sec) = 0.00022 ft/sec
Underground Basin open area is 235' x 23' = 5,405 sf
Therefore, Q out for basin = 5,405 X 0.00022 = 1.19 cfs

*WQMP Design Capture Volume is 27,766 CF

Q OutFlow = 24" Drain Pipe+ Basin Infiltration Q
= (CA x (2gh)^(1/2)) + Basin Infiltration Q
= (0.6A x (64.4xh)^(1/2)) + Basin Infiltration Q
A = 24" drain pipe area
h = Water Height Above half of pipe (12")

Example: WSE @ 1144.1
={0.6 x (3.14 x 1)^2)x [64.4 x (1144.1-1142.1)]^(1/2)} + 1.19
= 22.58 cfs

Basin Routing Summary Table

100 YEAR STORM	
Max. Q Out (CFS)	**21.5**
WSE	**1143.91**

CONTECH ENGINEERED SOLUTIONS

Date: 8/31/2022
Project Name: INFLITRATION SYSTEM - 20919 (8-31-2022 17-10-56)

City / County:
State:

Designed By:
Company:
Telephone:

CMP: Underground Detention System
Storage Volume Estimation

=Adjustable Input Cells

Contech Engineered Solutions, LLC is pleased to offer the following estimate of storage volume for the above named project. The results are submitted as an estimate only, without liability on the part of Contech Engineered Solutions, LLC for accuracy or suitability to any particular applicaton and are subject to verification of the Engineer of Record. **This tool is only applicable for rectangular shaped systems.**

Summary of Inputs

System Information		Backfill Information		Pipe & Analysis Information	
Out-to-out length (ft):	231.0	Backfill Porosity (%):	40%	System Diameter (in):	96
Out-to-out width (ft):	19.0	Depth Above Pipe (in):	6.0	Pipe Spacing (in):	36
Number of Manifolds (ea):	2.0	Depth Below Pipe (in):	6.0	Incremental Analysis (in):	6
Number of Barrels (ea):	2.0	Width At Ends (ft):	2.0	System Invert (Elevation):	0
		Width At Sides (ft):	2.0		

Storage Volume Estimation

System		Pipe		Stone		Total System		Miscellaneous	
Depth (ft)	Elevation (ft)	Incremental Storage (cf)	Cumulative Storage (cf)	Incremental Storage (cf)	Cumulative Storage (cf)	Incremental Storage (cf)	Cumulative Storage (cf)	Percent Open Storage (%)	Ave. Surface Area (sf)
0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0%	2,162.0
0.50	0.50	0.0	0.0	1,081.0	1,081.0	1,081.0	1,081.0	0.0%	2,162.0
1.00	1.00	612.2	612.2	836.1	1,917.1	1,448.3	2,529.3	24.2%	3,249.5
1.50	1.50	1,085.0	1,697.2	647.0	2,564.1	1,732.0	4,261.3	39.8%	3,647.9
2.00	2.00	1,356.2	3,053.4	538.5	3,102.6	1,894.7	6,156.0	49.6%	3,915.6
2.50	2.50	1,545.6	4,599.0	462.8	3,565.4	2,008.4	8,164.4	56.3%	4,107.4
3.00	3.00	1,681.7	6,280.7	408.3	3,973.7	2,090.0	10,254.4	61.2%	4,244.5
3.50	3.50	1,776.8	8,057.5	370.3	4,344.0	2,147.1	12,401.5	65.0%	4,337.1
4.00	4.00	1,837.5	9,895.0	346.0	4,690.0	2,183.5	14,585.0	67.8%	4,390.8
4.50	4.50	1,867.1	11,762.1	334.2	5,024.2	2,201.3	16,786.3	70.1%	4,408.4
5.00	5.00	1,867.1	13,629.2	334.2	5,358.3	2,201.3	18,987.5	71.8%	4,390.8
5.50	5.50	1,837.5	15,466.7	346.0	5,704.3	2,183.5	21,171.0	73.1%	4,337.1
6.00	6.00	1,776.8	17,243.6	370.3	6,074.6	2,147.1	23,318.1	73.9%	4,244.5
6.50	6.50	1,681.7	18,925.2	408.3	6,482.9	2,090.0	25,408.1	74.5%	4,107.4
7.00	7.00	1,545.6	20,470.8	462.8	6,945.7	2,008.4	27,416.5	74.7%	3,915.6
7.50	7.50	1,356.2	21,827.0	538.5	7,484.2	1,894.7	29,311.2	74.5%	3,647.9
8.00	8.00	1,085.0	22,912.1	647.0	8,131.2	1,732.0	31,043.2	73.8%	3,249.5
8.50	8.50	612.2	23,524.2	836.1	8,967.3	1,448.3	32,491.5	72.4%	2,162.0
9.00	9.00	0.0	23,524.2	1,081.0	10,048.3	1,081.0	33,572.5	70.1%	2,162.0

These results are submitted to you as a guideline only, without liability on the part of CONTECH Engineered Solutions, LLC for accuracy or suitability to any particular application, and are subject to your verification.

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/30/22

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6145

PATRIOT - 5TH AT VICTORIA INDUSTRIAL
100 YEAR STORM EVENT - UNIT HYDROGRAPH EXISTING
5482E100UH
BP

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
7.20	1	1.28
Rainfall data for year 100		
7.20	6	2.73
Rainfall data for year 100		
7.20	24	5.70

++++++++++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
78.0	92.8	7.20	1.000	0.140	1.000	0.140

Area-averaged adjusted loss rate Fm (In/Hr) = 0.140

********* Area-Averaged low loss rate fraction, Yb **********

Area	Area	SCS CN	SCS CN	S	Pervious

(Ac.)	Fract	(AMC2)	(AMC3)		Yield Fr
7.20	1.000	78.0	92.8	0.78	0.853

Area-averaged catchment yield fraction, Y = 0.853
Area-averaged low loss fraction, Yb = 0.147
Direct entry of lag time by user
++
Watershed area = 7.20(Ac.)
Catchment Lag time = 0.292 hours
Unit interval = 5.000 minutes
Unit interval percentage of lag time = 28.5388
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.140(In/Hr)
Average low loss rate fraction (Yb) = 0.147 (decimal)
VALLEY DEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.474(In)
Computed peak 30-minute rainfall = 0.970(In)
Specified peak 1-hour rainfall = 1.280(In)
Computed peak 3-hour rainfall = 2.037(In)
Specified peak 6-hour rainfall = 2.730(In)
Specified peak 24-hour rainfall = 5.700(In)

Rainfall depth area reduction factors:
Using a total area of 7.20(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.474(In)
30-minute factor = 1.000 Adjusted rainfall = 0.970(In)
1-hour factor = 1.000 Adjusted rainfall = 1.280(In)
3-hour factor = 1.000 Adjusted rainfall = 2.037(In)
6-hour factor = 1.000 Adjusted rainfall = 2.730(In)
24-hour factor = 1.000 Adjusted rainfall = 5.700(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
(K = 87.08 (CFS))		
1	1.820	1.585
2	10.011	7.133
3	26.689	14.522
4	49.388	19.766
5	72.185	19.851
6	85.198	11.331
7	92.277	6.164
8	96.255	3.463
9	98.078	1.588
10	98.680	0.524
11	99.194	0.447
12	99.705	0.446
13	100.000	0.256

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.4736	0.4736
2	0.6249	0.1513
3	0.7349	0.1100
4	0.8245	0.0896
5	0.9015	0.0770
6	0.9697	0.0682

7	1.0314	0.0617
8	1.0880	0.0566
9	1.1405	0.0525
10	1.1896	0.0491
11	1.2358	0.0462
12	1.2796	0.0438
13	1.3236	0.0441
14	1.3658	0.0422
15	1.4062	0.0404
16	1.4452	0.0389
17	1.4827	0.0375
18	1.5190	0.0363
19	1.5541	0.0351
20	1.5882	0.0341
21	1.6213	0.0331
22	1.6535	0.0322
23	1.6849	0.0314
24	1.7155	0.0306
25	1.7454	0.0299
26	1.7746	0.0292
27	1.8032	0.0286
28	1.8311	0.0280
29	1.8585	0.0274
30	1.8854	0.0268
31	1.9117	0.0263
32	1.9375	0.0258
33	1.9629	0.0254
34	1.9879	0.0249
35	2.0124	0.0245
36	2.0365	0.0241
37	2.0602	0.0237
38	2.0836	0.0234
39	2.1066	0.0230
40	2.1293	0.0227
41	2.1516	0.0223
42	2.1737	0.0220
43	2.1954	0.0217
44	2.2168	0.0214
45	2.2380	0.0212
46	2.2589	0.0209
47	2.2795	0.0206
48	2.2999	0.0204
49	2.3200	0.0201
50	2.3399	0.0199
51	2.3596	0.0197
52	2.3791	0.0195
53	2.3983	0.0192
54	2.4173	0.0190
55	2.4361	0.0188
56	2.4548	0.0186
57	2.4732	0.0184
58	2.4915	0.0183
59	2.5095	0.0181
60	2.5274	0.0179
61	2.5451	0.0177
62	2.5627	0.0176
63	2.5801	0.0174
64	2.5973	0.0172
65	2.6144	0.0171
66	2.6313	0.0169
67	2.6481	0.0168
68	2.6648	0.0166
69	2.6813	0.0165

70	2.6976	0.0164
71	2.7138	0.0162
72	2.7299	0.0161
73	2.7500	0.0201
74	2.7699	0.0199
75	2.7898	0.0198
76	2.8095	0.0197
77	2.8290	0.0196
78	2.8485	0.0195
79	2.8678	0.0193
80	2.8870	0.0192
81	2.9061	0.0191
82	2.9251	0.0190
83	2.9440	0.0189
84	2.9628	0.0188
85	2.9815	0.0187
86	3.0001	0.0186
87	3.0185	0.0185
88	3.0369	0.0184
89	3.0552	0.0183
90	3.0734	0.0182
91	3.0915	0.0181
92	3.1095	0.0180
93	3.1274	0.0179
94	3.1452	0.0178
95	3.1629	0.0177
96	3.1805	0.0176
97	3.1981	0.0176
98	3.2156	0.0175
99	3.2329	0.0174
100	3.2502	0.0173
101	3.2675	0.0172
102	3.2846	0.0171
103	3.3017	0.0171
104	3.3186	0.0170
105	3.3355	0.0169
106	3.3524	0.0168
107	3.3691	0.0168
108	3.3858	0.0167
109	3.4024	0.0166
110	3.4190	0.0165
111	3.4354	0.0165
112	3.4518	0.0164
113	3.4682	0.0163
114	3.4844	0.0163
115	3.5006	0.0162
116	3.5168	0.0161
117	3.5328	0.0161
118	3.5488	0.0160
119	3.5648	0.0159
120	3.5807	0.0159
121	3.5965	0.0158
122	3.6122	0.0158
123	3.6279	0.0157
124	3.6436	0.0156
125	3.6591	0.0156
126	3.6746	0.0155
127	3.6901	0.0155
128	3.7055	0.0154
129	3.7209	0.0153
130	3.7361	0.0153
131	3.7514	0.0152
132	3.7666	0.0152

133	3.7817	0.0151
134	3.7968	0.0151
135	3.8118	0.0150
136	3.8267	0.0150
137	3.8417	0.0149
138	3.8565	0.0149
139	3.8713	0.0148
140	3.8861	0.0148
141	3.9008	0.0147
142	3.9155	0.0147
143	3.9301	0.0146
144	3.9447	0.0146
145	3.9592	0.0145
146	3.9737	0.0145
147	3.9881	0.0144
148	4.0025	0.0144
149	4.0168	0.0143
150	4.0311	0.0143
151	4.0454	0.0142
152	4.0596	0.0142
153	4.0737	0.0142
154	4.0879	0.0141
155	4.1019	0.0141
156	4.1160	0.0140
157	4.1300	0.0140
158	4.1439	0.0139
159	4.1578	0.0139
160	4.1717	0.0139
161	4.1855	0.0138
162	4.1993	0.0138
163	4.2130	0.0137
164	4.2267	0.0137
165	4.2404	0.0137
166	4.2540	0.0136
167	4.2676	0.0136
168	4.2812	0.0136
169	4.2947	0.0135
170	4.3082	0.0135
171	4.3216	0.0134
172	4.3350	0.0134
173	4.3484	0.0134
174	4.3617	0.0133
175	4.3750	0.0133
176	4.3883	0.0133
177	4.4015	0.0132
178	4.4147	0.0132
179	4.4278	0.0132
180	4.4409	0.0131
181	4.4540	0.0131
182	4.4671	0.0131
183	4.4801	0.0130
184	4.4931	0.0130
185	4.5060	0.0130
186	4.5189	0.0129
187	4.5318	0.0129
188	4.5447	0.0129
189	4.5575	0.0128
190	4.5703	0.0128
191	4.5831	0.0128
192	4.5958	0.0127
193	4.6085	0.0127
194	4.6211	0.0127
195	4.6338	0.0126

196	4.6464	0.0126
197	4.6590	0.0126
198	4.6715	0.0125
199	4.6840	0.0125
200	4.6965	0.0125
201	4.7090	0.0125
202	4.7214	0.0124
203	4.7338	0.0124
204	4.7461	0.0124
205	4.7585	0.0123
206	4.7708	0.0123
207	4.7831	0.0123
208	4.7953	0.0123
209	4.8076	0.0122
210	4.8198	0.0122
211	4.8319	0.0122
212	4.8441	0.0121
213	4.8562	0.0121
214	4.8683	0.0121
215	4.8804	0.0121
216	4.8924	0.0120
217	4.9044	0.0120
218	4.9164	0.0120
219	4.9284	0.0120
220	4.9403	0.0119
221	4.9522	0.0119
222	4.9641	0.0119
223	4.9760	0.0119
224	4.9878	0.0118
225	4.9996	0.0118
226	5.0114	0.0118
227	5.0232	0.0118
228	5.0349	0.0117
229	5.0466	0.0117
230	5.0583	0.0117
231	5.0700	0.0117
232	5.0816	0.0116
233	5.0933	0.0116
234	5.1049	0.0116
235	5.1164	0.0116
236	5.1280	0.0116
237	5.1395	0.0115
238	5.1510	0.0115
239	5.1625	0.0115
240	5.1740	0.0115
241	5.1854	0.0114
242	5.1968	0.0114
243	5.2082	0.0114
244	5.2196	0.0114
245	5.2309	0.0113
246	5.2422	0.0113
247	5.2536	0.0113
248	5.2648	0.0113
249	5.2761	0.0113
250	5.2873	0.0112
251	5.2986	0.0112
252	5.3098	0.0112
253	5.3209	0.0112
254	5.3321	0.0112
255	5.3432	0.0111
256	5.3544	0.0111
257	5.3654	0.0111
258	5.3765	0.0111

259	5.3876	0.0111
260	5.3986	0.0110
261	5.4096	0.0110
262	5.4206	0.0110
263	5.4316	0.0110
264	5.4426	0.0110
265	5.4535	0.0109
266	5.4644	0.0109
267	5.4753	0.0109
268	5.4862	0.0109
269	5.4971	0.0109
270	5.5079	0.0108
271	5.5187	0.0108
272	5.5295	0.0108
273	5.5403	0.0108
274	5.5511	0.0108
275	5.5618	0.0107
276	5.5726	0.0107
277	5.5833	0.0107
278	5.5940	0.0107
279	5.6047	0.0107
280	5.6153	0.0107
281	5.6260	0.0106
282	5.6366	0.0106
283	5.6472	0.0106
284	5.6578	0.0106
285	5.6683	0.0106
286	5.6789	0.0106
287	5.6894	0.0105
288	5.6999	0.0105

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0105	0.0015	0.0090
2	0.0105	0.0015	0.0090
3	0.0106	0.0015	0.0090
4	0.0106	0.0016	0.0090
5	0.0106	0.0016	0.0091
6	0.0106	0.0016	0.0091
7	0.0107	0.0016	0.0091
8	0.0107	0.0016	0.0091
9	0.0107	0.0016	0.0092
10	0.0107	0.0016	0.0092
11	0.0108	0.0016	0.0092
12	0.0108	0.0016	0.0092
13	0.0108	0.0016	0.0093
14	0.0109	0.0016	0.0093
15	0.0109	0.0016	0.0093
16	0.0109	0.0016	0.0093
17	0.0110	0.0016	0.0094
18	0.0110	0.0016	0.0094
19	0.0110	0.0016	0.0094
20	0.0110	0.0016	0.0094
21	0.0111	0.0016	0.0095
22	0.0111	0.0016	0.0095
23	0.0111	0.0016	0.0095
24	0.0112	0.0016	0.0095
25	0.0112	0.0016	0.0096
26	0.0112	0.0016	0.0096
27	0.0113	0.0017	0.0096
28	0.0113	0.0017	0.0096

29	0.0113	0.0017	0.0097
30	0.0113	0.0017	0.0097
31	0.0114	0.0017	0.0097
32	0.0114	0.0017	0.0097
33	0.0115	0.0017	0.0098
34	0.0115	0.0017	0.0098
35	0.0115	0.0017	0.0098
36	0.0116	0.0017	0.0099
37	0.0116	0.0017	0.0099
38	0.0116	0.0017	0.0099
39	0.0117	0.0017	0.0100
40	0.0117	0.0017	0.0100
41	0.0117	0.0017	0.0100
42	0.0118	0.0017	0.0100
43	0.0118	0.0017	0.0101
44	0.0118	0.0017	0.0101
45	0.0119	0.0017	0.0101
46	0.0119	0.0017	0.0102
47	0.0120	0.0018	0.0102
48	0.0120	0.0018	0.0102
49	0.0120	0.0018	0.0103
50	0.0121	0.0018	0.0103
51	0.0121	0.0018	0.0103
52	0.0121	0.0018	0.0104
53	0.0122	0.0018	0.0104
54	0.0122	0.0018	0.0104
55	0.0123	0.0018	0.0105
56	0.0123	0.0018	0.0105
57	0.0124	0.0018	0.0106
58	0.0124	0.0018	0.0106
59	0.0125	0.0018	0.0106
60	0.0125	0.0018	0.0107
61	0.0125	0.0018	0.0107
62	0.0126	0.0018	0.0107
63	0.0126	0.0019	0.0108
64	0.0127	0.0019	0.0108
65	0.0127	0.0019	0.0109
66	0.0128	0.0019	0.0109
67	0.0128	0.0019	0.0109
68	0.0129	0.0019	0.0110
69	0.0129	0.0019	0.0110
70	0.0130	0.0019	0.0111
71	0.0130	0.0019	0.0111
72	0.0131	0.0019	0.0111
73	0.0131	0.0019	0.0112
74	0.0132	0.0019	0.0112
75	0.0132	0.0019	0.0113
76	0.0133	0.0019	0.0113
77	0.0133	0.0020	0.0114
78	0.0134	0.0020	0.0114
79	0.0134	0.0020	0.0115
80	0.0135	0.0020	0.0115
81	0.0136	0.0020	0.0116
82	0.0136	0.0020	0.0116
83	0.0137	0.0020	0.0117
84	0.0137	0.0020	0.0117
85	0.0138	0.0020	0.0118
86	0.0138	0.0020	0.0118
87	0.0139	0.0020	0.0119
88	0.0139	0.0020	0.0119
89	0.0140	0.0021	0.0120
90	0.0141	0.0021	0.0120
91	0.0142	0.0021	0.0121

92	0.0142	0.0021	0.0121
93	0.0143	0.0021	0.0122
94	0.0143	0.0021	0.0122
95	0.0144	0.0021	0.0123
96	0.0145	0.0021	0.0124
97	0.0146	0.0021	0.0124
98	0.0146	0.0021	0.0125
99	0.0147	0.0022	0.0126
100	0.0148	0.0022	0.0126
101	0.0149	0.0022	0.0127
102	0.0149	0.0022	0.0127
103	0.0150	0.0022	0.0128
104	0.0151	0.0022	0.0129
105	0.0152	0.0022	0.0130
106	0.0152	0.0022	0.0130
107	0.0153	0.0023	0.0131
108	0.0154	0.0023	0.0131
109	0.0155	0.0023	0.0132
110	0.0156	0.0023	0.0133
111	0.0157	0.0023	0.0134
112	0.0158	0.0023	0.0134
113	0.0159	0.0023	0.0135
114	0.0159	0.0023	0.0136
115	0.0161	0.0024	0.0137
116	0.0161	0.0024	0.0138
117	0.0163	0.0024	0.0139
118	0.0163	0.0024	0.0139
119	0.0165	0.0024	0.0141
120	0.0165	0.0024	0.0141
121	0.0167	0.0024	0.0142
122	0.0168	0.0025	0.0143
123	0.0169	0.0025	0.0144
124	0.0170	0.0025	0.0145
125	0.0171	0.0025	0.0146
126	0.0172	0.0025	0.0147
127	0.0174	0.0025	0.0148
128	0.0175	0.0026	0.0149
129	0.0176	0.0026	0.0151
130	0.0177	0.0026	0.0151
131	0.0179	0.0026	0.0153
132	0.0180	0.0026	0.0154
133	0.0182	0.0027	0.0155
134	0.0183	0.0027	0.0156
135	0.0185	0.0027	0.0158
136	0.0186	0.0027	0.0159
137	0.0188	0.0028	0.0160
138	0.0189	0.0028	0.0161
139	0.0191	0.0028	0.0163
140	0.0192	0.0028	0.0164
141	0.0195	0.0029	0.0166
142	0.0196	0.0029	0.0167
143	0.0198	0.0029	0.0169
144	0.0199	0.0029	0.0170
145	0.0161	0.0024	0.0137
146	0.0162	0.0024	0.0138
147	0.0165	0.0024	0.0141
148	0.0166	0.0024	0.0142
149	0.0169	0.0025	0.0144
150	0.0171	0.0025	0.0146
151	0.0174	0.0026	0.0148
152	0.0176	0.0026	0.0150
153	0.0179	0.0026	0.0153
154	0.0181	0.0026	0.0154

155	0.0184	0.0027	0.0157
156	0.0186	0.0027	0.0159
157	0.0190	0.0028	0.0162
158	0.0192	0.0028	0.0164
159	0.0197	0.0029	0.0168
160	0.0199	0.0029	0.0170
161	0.0204	0.0030	0.0174
162	0.0206	0.0030	0.0176
163	0.0212	0.0031	0.0181
164	0.0214	0.0031	0.0183
165	0.0220	0.0032	0.0188
166	0.0223	0.0033	0.0191
167	0.0230	0.0034	0.0196
168	0.0234	0.0034	0.0199
169	0.0241	0.0035	0.0206
170	0.0245	0.0036	0.0209
171	0.0254	0.0037	0.0217
172	0.0258	0.0038	0.0221
173	0.0268	0.0039	0.0229
174	0.0274	0.0040	0.0234
175	0.0286	0.0042	0.0244
176	0.0292	0.0043	0.0249
177	0.0306	0.0045	0.0261
178	0.0314	0.0046	0.0268
179	0.0331	0.0049	0.0283
180	0.0341	0.0050	0.0291
181	0.0363	0.0053	0.0310
182	0.0375	0.0055	0.0320
183	0.0404	0.0059	0.0345
184	0.0422	0.0062	0.0360
185	0.0438	0.0064	0.0374
186	0.0462	0.0068	0.0394
187	0.0525	0.0077	0.0448
188	0.0566	0.0083	0.0483
189	0.0682	0.0100	0.0582
190	0.0770	0.0113	0.0657
191	0.1100	0.0117	0.0984
192	0.1513	0.0117	0.1396
193	0.4736	0.0117	0.4619
194	0.0896	0.0117	0.0780
195	0.0617	0.0090	0.0526
196	0.0491	0.0072	0.0419
197	0.0441	0.0065	0.0376
198	0.0389	0.0057	0.0332
199	0.0351	0.0052	0.0300
200	0.0322	0.0047	0.0275
201	0.0299	0.0044	0.0255
202	0.0280	0.0041	0.0239
203	0.0263	0.0039	0.0225
204	0.0249	0.0037	0.0213
205	0.0237	0.0035	0.0202
206	0.0227	0.0033	0.0193
207	0.0217	0.0032	0.0185
208	0.0209	0.0031	0.0178
209	0.0201	0.0030	0.0172
210	0.0195	0.0029	0.0166
211	0.0188	0.0028	0.0161
212	0.0183	0.0027	0.0156
213	0.0177	0.0026	0.0151
214	0.0172	0.0025	0.0147
215	0.0168	0.0025	0.0143
216	0.0164	0.0024	0.0140
217	0.0201	0.0029	0.0171

218	0.0197	0.0029	0.0168
219	0.0193	0.0028	0.0165
220	0.0190	0.0028	0.0162
221	0.0187	0.0027	0.0159
222	0.0184	0.0027	0.0157
223	0.0181	0.0027	0.0154
224	0.0178	0.0026	0.0152
225	0.0176	0.0026	0.0150
226	0.0173	0.0025	0.0148
227	0.0171	0.0025	0.0146
228	0.0168	0.0025	0.0144
229	0.0166	0.0024	0.0142
230	0.0164	0.0024	0.0140
231	0.0162	0.0024	0.0138
232	0.0160	0.0023	0.0137
233	0.0158	0.0023	0.0135
234	0.0156	0.0023	0.0133
235	0.0155	0.0023	0.0132
236	0.0153	0.0022	0.0130
237	0.0151	0.0022	0.0129
238	0.0150	0.0022	0.0128
239	0.0148	0.0022	0.0126
240	0.0147	0.0022	0.0125
241	0.0145	0.0021	0.0124
242	0.0144	0.0021	0.0123
243	0.0142	0.0021	0.0122
244	0.0141	0.0021	0.0120
245	0.0140	0.0021	0.0119
246	0.0139	0.0020	0.0118
247	0.0137	0.0020	0.0117
248	0.0136	0.0020	0.0116
249	0.0135	0.0020	0.0115
250	0.0134	0.0020	0.0114
251	0.0133	0.0019	0.0113
252	0.0132	0.0019	0.0113
253	0.0131	0.0019	0.0112
254	0.0130	0.0019	0.0111
255	0.0129	0.0019	0.0110
256	0.0128	0.0019	0.0109
257	0.0127	0.0019	0.0108
258	0.0126	0.0018	0.0108
259	0.0125	0.0018	0.0107
260	0.0124	0.0018	0.0106
261	0.0123	0.0018	0.0105
262	0.0123	0.0018	0.0105
263	0.0122	0.0018	0.0104
264	0.0121	0.0018	0.0103
265	0.0120	0.0018	0.0103
266	0.0119	0.0018	0.0102
267	0.0119	0.0017	0.0101
268	0.0118	0.0017	0.0101
269	0.0117	0.0017	0.0100
270	0.0116	0.0017	0.0099
271	0.0116	0.0017	0.0099
272	0.0115	0.0017	0.0098
273	0.0114	0.0017	0.0098
274	0.0114	0.0017	0.0097
275	0.0113	0.0017	0.0096
276	0.0112	0.0016	0.0096
277	0.0112	0.0016	0.0095
278	0.0111	0.0016	0.0095
279	0.0111	0.0016	0.0094
280	0.0110	0.0016	0.0094

281	0.0109	0.0016	0.0093
282	0.0109	0.0016	0.0093
283	0.0108	0.0016	0.0092
284	0.0108	0.0016	0.0092
285	0.0107	0.0016	0.0091
286	0.0107	0.0016	0.0091
287	0.0106	0.0016	0.0091
288	0.0106	0.0015	0.0090

Total soil rain loss = 0.76(In)
Total effective rainfall = 4.94(In)
Peak flow rate in flood hydrograph = 15.34(CFS)

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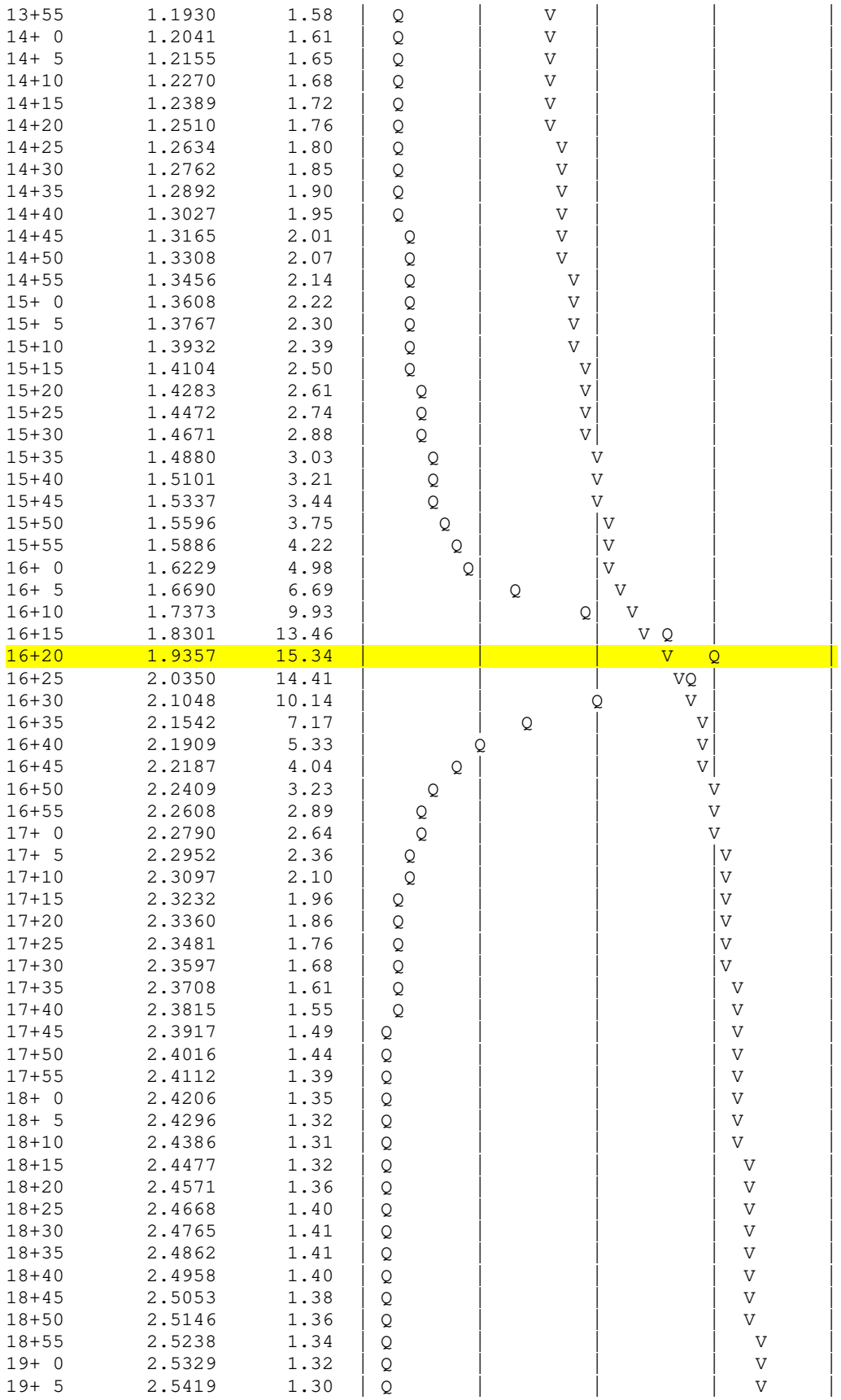
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 5.0 10.0 15.0 20.0
0+ 5	0.0001	0.01	Q
0+10	0.0006	0.08	Q
0+15	0.0021	0.21	Q
0+20	0.0047	0.39	Q
0+25	0.0086	0.57	VQ
0+30	0.0132	0.67	VQ
0+35	0.0182	0.73	VQ
0+40	0.0235	0.76	VQ
0+45	0.0288	0.77	VQ
0+50	0.0342	0.78	VQ
0+55	0.0396	0.79	VQ
1+ 0	0.0451	0.79	VQ
1+ 5	0.0506	0.80	VQ
1+10	0.0561	0.80	VQ
1+15	0.0616	0.80	VQ
1+20	0.0671	0.80	VQ
1+25	0.0727	0.81	VQ
1+30	0.0782	0.81	|Q
1+35	0.0838	0.81	|Q
1+40	0.0894	0.81	|Q
1+45	0.0950	0.81	|Q
1+50	0.1007	0.82	|Q
1+55	0.1063	0.82	|Q
2+ 0	0.1119	0.82	|Q
2+ 5	0.1176	0.82	|Q
2+10	0.1233	0.83	|Q
2+15	0.1290	0.83	|Q
2+20	0.1347	0.83	|Q
2+25	0.1405	0.83	|Q
2+30	0.1462	0.83	|Q
2+35	0.1520	0.84	|QV
2+40	0.1578	0.84	|QV
2+45	0.1636	0.84	|QV
2+50	0.1694	0.84	|QV
2+55	0.1752	0.85	|QV
3+ 0	0.1811	0.85	|QV
3+ 5	0.1869	0.85	|QV
3+10	0.1928	0.85	|QV
3+15	0.1987	0.86	|QV
3+20	0.2046	0.86	|QV

3+25	0.2106	0.86	QV			
3+30	0.2165	0.86	QV			
3+35	0.2225	0.87	Q V			
3+40	0.2285	0.87	Q V			
3+45	0.2345	0.87	Q V			
3+50	0.2405	0.88	Q V			
3+55	0.2466	0.88	Q V			
4+ 0	0.2526	0.88	Q V			
4+ 5	0.2587	0.88	Q V			
4+10	0.2648	0.89	Q V			
4+15	0.2710	0.89	Q V			
4+20	0.2771	0.89	Q V			
4+25	0.2833	0.90	Q V			
4+30	0.2894	0.90	Q V			
4+35	0.2957	0.90	Q V			
4+40	0.3019	0.90	Q V			
4+45	0.3081	0.91	Q V			
4+50	0.3144	0.91	Q V			
4+55	0.3207	0.91	Q V			
5+ 0	0.3270	0.92	Q V			
5+ 5	0.3333	0.92	Q V			
5+10	0.3397	0.92	Q V			
5+15	0.3461	0.93	Q V			
5+20	0.3525	0.93	Q V			
5+25	0.3589	0.93	Q V			
5+30	0.3653	0.94	Q V			
5+35	0.3718	0.94	Q V			
5+40	0.3783	0.94	Q V			
5+45	0.3848	0.95	Q V			
5+50	0.3914	0.95	Q V			
5+55	0.3979	0.95	Q V			
6+ 0	0.4045	0.96	Q V			
6+ 5	0.4111	0.96	Q V			
6+10	0.4178	0.96	Q V			
6+15	0.4244	0.97	Q V			
6+20	0.4311	0.97	Q V			
6+25	0.4378	0.98	Q V			
6+30	0.4446	0.98	Q V			
6+35	0.4514	0.98	Q V			
6+40	0.4582	0.99	Q V			
6+45	0.4650	0.99	Q V			
6+50	0.4718	1.00	Q V			
6+55	0.4787	1.00	Q V			
7+ 0	0.4856	1.00	Q V			
7+ 5	0.4926	1.01	Q V			
7+10	0.4995	1.01	Q V			
7+15	0.5065	1.02	Q V			
7+20	0.5136	1.02	Q V			
7+25	0.5206	1.03	Q V			
7+30	0.5277	1.03	Q V			
7+35	0.5348	1.03	Q V			
7+40	0.5420	1.04	Q V			
7+45	0.5492	1.04	Q V			
7+50	0.5564	1.05	Q V			
7+55	0.5636	1.05	Q V			
8+ 0	0.5709	1.06	Q V			
8+ 5	0.5782	1.06	Q V			
8+10	0.5856	1.07	Q V			
8+15	0.5930	1.07	Q V			
8+20	0.6004	1.08	Q V			
8+25	0.6079	1.08	Q V			
8+30	0.6154	1.09	Q V			
8+35	0.6229	1.09	Q V			

8+40	0.6305	1.10	Q	V			
8+45	0.6381	1.11	Q	V			
8+50	0.6458	1.11	Q	V			
8+55	0.6535	1.12	Q	V			
9+ 0	0.6612	1.12	Q	V			
9+ 5	0.6690	1.13	Q	V			
9+10	0.6768	1.14	Q	V			
9+15	0.6846	1.14	Q	V			
9+20	0.6925	1.15	Q	V			
9+25	0.7005	1.15	Q	V			
9+30	0.7085	1.16	Q	V			
9+35	0.7165	1.17	Q	V			
9+40	0.7246	1.17	Q	V			
9+45	0.7327	1.18	Q	V			
9+50	0.7409	1.19	Q	V			
9+55	0.7492	1.20	Q	V			
10+ 0	0.7574	1.20	Q	V			
10+ 5	0.7658	1.21	Q	V			
10+10	0.7741	1.22	Q	V			
10+15	0.7826	1.23	Q	V			
10+20	0.7911	1.23	Q	V			
10+25	0.7996	1.24	Q	V			
10+30	0.8082	1.25	Q	V			
10+35	0.8169	1.26	Q	V			
10+40	0.8256	1.27	Q	V			
10+45	0.8344	1.28	Q	V			
10+50	0.8432	1.28	Q	V			
10+55	0.8521	1.29	Q	V			
11+ 0	0.8611	1.30	Q	V			
11+ 5	0.8702	1.31	Q	V			
11+10	0.8793	1.32	Q	V			
11+15	0.8884	1.33	Q	V			
11+20	0.8977	1.34	Q	V			
11+25	0.9070	1.35	Q	V			
11+30	0.9164	1.36	Q	V			
11+35	0.9259	1.37	Q	V			
11+40	0.9354	1.39	Q	V			
11+45	0.9450	1.40	Q	V			
11+50	0.9547	1.41	Q	V			
11+55	0.9645	1.42	Q	V			
12+ 0	0.9744	1.43	Q	V			
12+ 5	0.9843	1.44	Q	V			
12+10	0.9942	1.43	Q	V			
12+15	1.0038	1.39	Q	V			
12+20	1.0130	1.34	Q	V			
12+25	1.0218	1.28	Q	V			
12+30	1.0305	1.26	Q	V			
12+35	1.0391	1.25	Q	V			
12+40	1.0478	1.26	Q	V			
12+45	1.0565	1.27	Q	V			
12+50	1.0654	1.28	Q	V			
12+55	1.0743	1.30	Q	V			
13+ 0	1.0834	1.32	Q	V			
13+ 5	1.0925	1.33	Q	V			
13+10	1.1019	1.35	Q	V			
13+15	1.1113	1.37	Q	V			
13+20	1.1209	1.40	Q	V			
13+25	1.1307	1.42	Q	V			
13+30	1.1406	1.44	Q	V			
13+35	1.1507	1.47	Q	V			
13+40	1.1610	1.49	Q	V			
13+45	1.1715	1.52	Q	V			
13+50	1.1822	1.55	Q	V			



13+55	1.1930	1.58	
14+ 0	1.2041	1.61	
14+ 5	1.2155	1.65	
14+10	1.2270	1.68	
14+15	1.2389	1.72	
14+20	1.2510	1.76	
14+25	1.2634	1.80	
14+30	1.2762	1.85	
14+35	1.2892	1.90	
14+40	1.3027	1.95	
14+45	1.3165	2.01	
14+50	1.3308	2.07	
14+55	1.3456	2.14	
15+ 0	1.3608	2.22	
15+ 5	1.3767	2.30	
15+10	1.3932	2.39	
15+15	1.4104	2.50	
15+20	1.4283	2.61	
15+25	1.4472	2.74	
15+30	1.4671	2.88	
15+35	1.4880	3.03	
15+40	1.5101	3.21	
15+45	1.5337	3.44	
15+50	1.5596	3.75	
15+55	1.5886	4.22	
16+ 0	1.6229	4.98	
16+ 5	1.6690	6.69	
16+10	1.7373	9.93	
16+15	1.8301	13.46	
16+20	1.9357	15.34	
16+25	2.0350	14.41	
16+30	2.1048	10.14	
16+35	2.1542	7.17	
16+40	2.1909	5.33	
16+45	2.2187	4.04	
16+50	2.2409	3.23	
16+55	2.2608	2.89	
17+ 0	2.2790	2.64	
17+ 5	2.2952	2.36	
17+10	2.3097	2.10	
17+15	2.3232	1.96	
17+20	2.3360	1.86	
17+25	2.3481	1.76	
17+30	2.3597	1.68	
17+35	2.3708	1.61	
17+40	2.3815	1.55	
17+45	2.3917	1.49	
17+50	2.4016	1.44	
17+55	2.4112	1.39	
18+ 0	2.4206	1.35	
18+ 5	2.4296	1.32	
18+10	2.4386	1.31	
18+15	2.4477	1.32	
18+20	2.4571	1.36	
18+25	2.4668	1.40	
18+30	2.4765	1.41	
18+35	2.4862	1.41	
18+40	2.4958	1.40	
18+45	2.5053	1.38	
18+50	2.5146	1.36	
18+55	2.5238	1.34	
19+ 0	2.5329	1.32	
19+ 5	2.5419	1.30	

19+10	2.5507	1.28	Q			V
19+15	2.5594	1.26	Q			V
19+20	2.5680	1.25	Q			V
19+25	2.5765	1.23	Q			V
19+30	2.5849	1.22	Q			V
19+35	2.5931	1.20	Q			V
19+40	2.6013	1.19	Q			V
19+45	2.6094	1.17	Q			V
19+50	2.6173	1.16	Q			V
19+55	2.6252	1.15	Q			V
20+ 0	2.6330	1.13	Q			V
20+ 5	2.6408	1.12	Q			V
20+10	2.6484	1.11	Q			V
20+15	2.6560	1.10	Q			V
20+20	2.6635	1.09	Q			V
20+25	2.6709	1.08	Q			V
20+30	2.6782	1.07	Q			V
20+35	2.6855	1.06	Q			V
20+40	2.6927	1.05	Q			V
20+45	2.6998	1.04	Q			V
20+50	2.7069	1.03	Q			V
20+55	2.7139	1.02	Q			V
21+ 0	2.7209	1.01	Q			V
21+ 5	2.7278	1.00	Q			V
21+10	2.7346	0.99	Q			V
21+15	2.7414	0.99	Q			V
21+20	2.7482	0.98	Q			V
21+25	2.7549	0.97	Q			V
21+30	2.7615	0.96	Q			V
21+35	2.7681	0.96	Q			V
21+40	2.7746	0.95	Q			V
21+45	2.7811	0.94	Q			V
21+50	2.7875	0.93	Q			V
21+55	2.7939	0.93	Q			V
22+ 0	2.8003	0.92	Q			V
22+ 5	2.8066	0.92	Q			V
22+10	2.8128	0.91	Q			V
22+15	2.8191	0.90	Q			V
22+20	2.8252	0.90	Q			V
22+25	2.8314	0.89	Q			V
22+30	2.8375	0.89	Q			V
22+35	2.8435	0.88	Q			V
22+40	2.8496	0.87	Q			V
22+45	2.8555	0.87	Q			V
22+50	2.8615	0.86	Q			V
22+55	2.8674	0.86	Q			V
23+ 0	2.8733	0.85	Q			V
23+ 5	2.8791	0.85	Q			V
23+10	2.8849	0.84	Q			V
23+15	2.8907	0.84	Q			V
23+20	2.8965	0.83	Q			V
23+25	2.9022	0.83	Q			V
23+30	2.9079	0.82	Q			V
23+35	2.9135	0.82	Q			V
23+40	2.9191	0.82	Q			V
23+45	2.9247	0.81	Q			V
23+50	2.9303	0.81	Q			V
23+55	2.9358	0.80	Q			V
24+ 0	2.9413	0.80	Q			V
24+ 5	2.9467	0.78	Q			V
24+10	2.9516	0.71	Q			V
24+15	2.9556	0.58	Q			V
24+20	2.9583	0.40	Q			V

24+25	2.9598	0.22	Q	|	|	|	V|
24+30	2.9606	0.12	Q	|	|	|	V|
24+35	2.9611	0.06	Q	|	|	|	V|
24+40	2.9613	0.03	Q	|	|	|	V|
24+45	2.9614	0.02	Q	|	|	|	V|
24+50	2.9614	0.01	Q	|	|	|	V|
24+55	2.9615	0.01	Q	|	|	|	V|
25+ 0	2.9615	0.00	Q	|	|	|	V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/30/22

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6145

PATRIOT - 5TH AT VICTORIA INDUSTRIAL
100 YEAR UNIT HYDROGRAPH PROPOSED CONDITION
5482P100UH
BP

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

	Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100	7.20	1	1.28
Rainfall data for year 100	7.20	6	2.73
Rainfall data for year 100	7.20	24	5.70

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
56.0	75.8	7.20	1.000	0.440	0.100	0.044

Area-averaged adjusted loss rate Fm (In/Hr) = 0.044

********* Area-Averaged low loss rate fraction, Yb **********

Area	Area	SCS CN	SCS CN	S	Pervious

```
 (Ac.)      Fract          (AMC2)     (AMC3)           Yield Fr
    0.72    0.100          56.0       75.8       3.19     0.545
    6.48    0.900          98.0       98.0       0.20     0.958

Area-averaged catchment yield fraction, Y =  0.917
Area-averaged low loss fraction, Yb =  0.083
Direct entry of lag time by user
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Watershed area =       7.20(Ac.)
Catchment Lag time =   0.125 hours
Unit interval =   5.000 minutes
Unit interval percentage of lag time = 66.6667
Hydrograph baseflow =     0.00(CFS)
Average maximum watershed loss rate(Fm) =  0.044(In/Hr)
Average low loss rate fraction (Yb) = 0.083 (decimal)
VALLEY DEVELOPED S-Graph Selected
Computed peak 5-minute rainfall =  0.474(In)
Computed peak 30-minute rainfall =  0.970(In)
Specified peak 1-hour rainfall =  1.280(In)
Computed peak 3-hour rainfall =  2.037(In)
Specified peak 6-hour rainfall =  2.730(In)
Specified peak 24-hour rainfall =  5.700(In)


Rainfall depth area reduction factors:
Using a total area of       7.20(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000     Adjusted rainfall =  0.474(In)
30-minute factor = 1.000    Adjusted rainfall =  0.970(In)
1-hour factor = 1.000       Adjusted rainfall =  1.280(In)
3-hour factor = 1.000       Adjusted rainfall =  2.037(In)
6-hour factor = 1.000       Adjusted rainfall =  2.730(In)
24-hour factor = 1.000      Adjusted rainfall =  5.700(In)
----------------------------------------------------------------------

                    U n i t  H y d r o g r a p h
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Interval          'S' Graph          Unit Hydrograph
Number            Mean values             ((CFS))
----------------------------------------------------------------------
             (K =        87.08 (CFS))

  1                7.991                   6.959
  2               49.717                  36.332
  3               87.123                  32.572
  4               97.373                   8.925
  5               99.200                   1.591
  6              100.000                   0.697
----------------------------------------------------------------------
----------------------------------------------------------------------
----------------------------------------------------------------------
Total soil rain loss =      0.41(In)
Total effective rainfall =      5.29(In)
Peak flow rate in flood hydrograph =     23.59(CFS)
----------------------------------------------------------------------
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                    24 - H O U R    S T O R M
               R u n o f f      H y d r o g r a p h
----------------------------------------------------------------------
            Hydrograph in   5   Minute intervals ((CFS))

----------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        7.5      15.0      22.5      30.0
```

0+ 5	0.0005	0.07	Q				
0+10	0.0033	0.42	Q				
0+15	0.0084	0.73	Q				
0+20	0.0140	0.82	VQ				
0+25	0.0198	0.84	VQ				
0+30	0.0256	0.85	VQ				
0+35	0.0315	0.85	VQ				
0+40	0.0373	0.85	VQ				
0+45	0.0432	0.85	VQ				
0+50	0.0491	0.86	VQ				
0+55	0.0550	0.86	VQ				
1+ 0	0.0609	0.86	VQ				
1+ 5	0.0669	0.86	VQ				
1+10	0.0728	0.86	VQ				
1+15	0.0788	0.87	VQ				
1+20	0.0848	0.87	|Q				
1+25	0.0908	0.87	|Q				
1+30	0.0968	0.87	|Q				
1+35	0.1028	0.88	|Q				
1+40	0.1088	0.88	|Q				
1+45	0.1149	0.88	|Q				
1+50	0.1210	0.88	|Q				
1+55	0.1271	0.88	|Q				
2+ 0	0.1332	0.89	|Q				
2+ 5	0.1393	0.89	|Q				
2+10	0.1455	0.89	|Q				
2+15	0.1516	0.89	|Q				
2+20	0.1578	0.90	|Q				
2+25	0.1640	0.90	|QV				
2+30	0.1702	0.90	|QV				
2+35	0.1765	0.90	|QV				
2+40	0.1827	0.91	|QV				
2+45	0.1890	0.91	|QV				
2+50	0.1953	0.91	|QV				
2+55	0.2016	0.92	|QV				
3+ 0	0.2079	0.92	|QV				
3+ 5	0.2142	0.92	|QV				
3+10	0.2206	0.92	|QV				
3+15	0.2270	0.93	|QV				
3+20	0.2334	0.93	|QV				
3+25	0.2398	0.93	|Q V				
3+30	0.2462	0.94	|Q V				
3+35	0.2527	0.94	|Q V				
3+40	0.2592	0.94	|Q V				
3+45	0.2657	0.94	|Q V				
3+50	0.2722	0.95	|Q V				
3+55	0.2787	0.95	|Q V				
4+ 0	0.2853	0.95	|Q V				
4+ 5	0.2919	0.96	|Q V				
4+10	0.2985	0.96	|Q V				
4+15	0.3051	0.96	|Q V				
4+20	0.3118	0.97	|Q V				
4+25	0.3184	0.97	|Q V				
4+30	0.3251	0.97	|Q V				
4+35	0.3318	0.97	|Q V				
4+40	0.3386	0.98	|Q V				
4+45	0.3453	0.98	|Q V				
4+50	0.3521	0.99	|Q V				
4+55	0.3589	0.99	|Q V				
5+ 0	0.3658	0.99	|Q V				
5+ 5	0.3726	1.00	|Q V				
5+10	0.3795	1.00	|Q V				

5+15	0.3864	1.00	Q V			
5+20	0.3933	1.01	Q V			
5+25	0.4003	1.01	Q V			
5+30	0.4073	1.01	Q V			
5+35	0.4143	1.02	Q V			
5+40	0.4213	1.02	Q V			
5+45	0.4283	1.02	Q V			
5+50	0.4354	1.03	Q V			
5+55	0.4425	1.03	Q V			
6+ 0	0.4497	1.04	Q V			
6+ 5	0.4568	1.04	Q V			
6+10	0.4640	1.04	Q V			
6+15	0.4713	1.05	Q V			
6+20	0.4785	1.05	Q V			
6+25	0.4858	1.06	Q V			
6+30	0.4931	1.06	Q V			
6+35	0.5004	1.07	Q V			
6+40	0.5078	1.07	Q V			
6+45	0.5152	1.07	Q V			
6+50	0.5226	1.08	Q V			
6+55	0.5301	1.08	Q V			
7+ 0	0.5376	1.09	Q V			
7+ 5	0.5451	1.09	Q V			
7+10	0.5527	1.10	Q V			
7+15	0.5602	1.10	Q V			
7+20	0.5679	1.11	Q V			
7+25	0.5755	1.11	Q V			
7+30	0.5832	1.12	Q V			
7+35	0.5909	1.12	Q V			
7+40	0.5987	1.13	Q V			
7+45	0.6065	1.13	Q V			
7+50	0.6143	1.14	Q V			
7+55	0.6222	1.14	Q V			
8+ 0	0.6301	1.15	Q V			
8+ 5	0.6380	1.15	Q V			
8+10	0.6460	1.16	Q V			
8+15	0.6540	1.16	Q V			
8+20	0.6621	1.17	Q V			
8+25	0.6702	1.18	Q V			
8+30	0.6783	1.18	Q V			
8+35	0.6865	1.19	Q V			
8+40	0.6948	1.19	Q V			
8+45	0.7030	1.20	Q V			
8+50	0.7113	1.21	Q V			
8+55	0.7197	1.21	Q V			
9+ 0	0.7281	1.22	Q V			
9+ 5	0.7366	1.23	Q V			
9+10	0.7451	1.23	Q V			
9+15	0.7536	1.24	Q V			
9+20	0.7622	1.25	Q V			
9+25	0.7708	1.25	Q V			
9+30	0.7795	1.26	Q V			
9+35	0.7883	1.27	Q V			
9+40	0.7971	1.28	Q V			
9+45	0.8059	1.28	Q V			
9+50	0.8148	1.29	Q V			
9+55	0.8238	1.30	Q V			
10+ 0	0.8328	1.31	Q V			
10+ 5	0.8419	1.32	Q V			
10+10	0.8510	1.33	Q V			
10+15	0.8602	1.33	Q V			
10+20	0.8694	1.34	Q V			
10+25	0.8787	1.35	Q V			

10+30	0.8881	1.36	Q	V			
10+35	0.8976	1.37	Q	V			
10+40	0.9071	1.38	Q	V			
10+45	0.9166	1.39	Q	V			
10+50	0.9263	1.40	Q	V			
10+55	0.9360	1.41	Q	V			
11+ 0	0.9458	1.42	Q	V			
11+ 5	0.9557	1.43	Q	V			
11+10	0.9656	1.44	Q	V			
11+15	0.9756	1.45	Q	V			
11+20	0.9857	1.47	Q	V			
11+25	0.9959	1.48	Q	V			
11+30	1.0062	1.49	Q	V			
11+35	1.0165	1.50	Q	V			
11+40	1.0269	1.52	Q	V			
11+45	1.0375	1.53	Q	V			
11+50	1.0481	1.54	Q	V			
11+55	1.0588	1.56	Q	V			
12+ 0	1.0696	1.57	Q	V			
12+ 5	1.0804	1.56	Q	V			
12+10	1.0903	1.44	Q	V			
12+15	1.0995	1.33	Q	V			
12+20	1.1085	1.31	Q	V			
12+25	1.1176	1.32	Q	V			
12+30	1.1268	1.34	Q	V			
12+35	1.1362	1.36	Q	V			
12+40	1.1456	1.37	Q	V			
12+45	1.1552	1.39	Q	V			
12+50	1.1650	1.41	Q	V			
12+55	1.1749	1.43	Q	V			
13+ 0	1.1849	1.46	Q	V			
13+ 5	1.1951	1.48	Q	V			
13+10	1.2054	1.50	Q	V			
13+15	1.2159	1.53	Q	V			
13+20	1.2266	1.55	Q	V			
13+25	1.2375	1.58	Q	V			
13+30	1.2485	1.61	Q	V			
13+35	1.2598	1.63	Q	V			
13+40	1.2713	1.67	Q	V			
13+45	1.2830	1.70	Q	V			
13+50	1.2949	1.73	Q	V			
13+55	1.3071	1.77	Q	V			
14+ 0	1.3195	1.81	Q	V			
14+ 5	1.3322	1.85	Q	V			
14+10	1.3453	1.89	Q	V			
14+15	1.3586	1.94	Q	V			
14+20	1.3723	1.99	Q	V			
14+25	1.3864	2.04	Q	V			
14+30	1.4009	2.10	Q	V			
14+35	1.4157	2.16	Q	V			
14+40	1.4311	2.23	Q	V			
14+45	1.4469	2.30	Q	V			
14+50	1.4633	2.38	Q	V			
14+55	1.4803	2.47	Q	V			
15+ 0	1.4980	2.57	Q	V			
15+ 5	1.5165	2.68	Q	V			
15+10	1.5358	2.80	Q	V			
15+15	1.5560	2.94	Q	V			
15+20	1.5774	3.11	Q	V			
15+25	1.5999	3.27	Q	V			
15+30	1.6235	3.42	Q	V			
15+35	1.6485	3.62	Q	V			
15+40	1.6758	3.97	Q	V			

```
15+45       1.7063      4.43  |    Q    |         |V        |         |
15+50       1.7415      5.11  |     Q   |         |V        |         |
15+55       1.7835      6.09  |       Q |         | V       |         |
16+ 0       1.8384      7.97  |         Q         |  V      |         |
16+ 5       1.9272     12.89  |         |      Q  |   V     |         |
16+10       2.0896     23.59  |         |         |     V   |Q        |
16+15       2.2299     20.37  |         |         |      QV |         |
16+20       2.2969      9.73  |         | Q       |       V |         |
16+25       2.3344      5.44  |      Q  |         |        V|         |
16+30       2.3631      4.18  |    Q    |         |        V|         |
16+35       2.3865      3.39  |   Q     |         |         V         |
16+40       2.4073      3.01  |   Q     |         |         V         |
16+45       2.4261      2.73  |  Q      |         |         V         |
16+50       2.4433      2.51  |  Q      |         |         V         |
16+55       2.4594      2.33  |  Q      |         |         |V        |
17+ 0       2.4744      2.19  | Q       |         |         |V        |
17+ 5       2.4886      2.06  | Q       |         |         |V        |
17+10       2.5021      1.96  | Q       |         |         |V        |
17+15       2.5149      1.86  | Q       |         |         |V        |
17+20       2.5272      1.78  | Q       |         |         |V        |
17+25       2.5390      1.71  | Q       |         |         | V       |
17+30       2.5503      1.64  | Q       |         |         | V       |
17+35       2.5612      1.59  | Q       |         |         | V       |
17+40       2.5718      1.53  | Q       |         |         | V       |
17+45       2.5820      1.49  |Q        |         |         | V       |
17+50       2.5919      1.44  |Q        |         |         | V       |
17+55       2.6016      1.40  |Q        |         |         | V       |
18+ 0       2.6110      1.36  |Q        |         |         | V       |
18+ 5       2.6203      1.35  |Q        |         |         |  V      |
18+10       2.6303      1.46  |Q        |         |         |  V      |
18+15       2.6410      1.55  | Q       |         |         |  V      |
18+20       2.6517      1.55  | Q       |         |         |  V      |
18+25       2.6622      1.53  | Q       |         |         |  V      |
18+30       2.6726      1.51  | Q       |         |         |  V      |
18+35       2.6828      1.48  |Q        |         |         |  V      |
18+40       2.6928      1.46  |Q        |         |         |  V      |
18+45       2.7027      1.44  |Q        |         |         |   V     |
18+50       2.7124      1.41  |Q        |         |         |   V     |
18+55       2.7220      1.39  |Q        |         |         |   V     |
19+ 0       2.7315      1.37  |Q        |         |         |   V     |
19+ 5       2.7408      1.35  |Q        |         |         |   V     |
19+10       2.7500      1.34  |Q        |         |         |   V     |
19+15       2.7591      1.32  |Q        |         |         |   V     |
19+20       2.7681      1.30  |Q        |         |         |   V     |
19+25       2.7770      1.29  |Q        |         |         |    V    |
19+30       2.7857      1.27  |Q        |         |         |    V    |
19+35       2.7944      1.26  |Q        |         |         |    V    |
19+40       2.8029      1.24  |Q        |         |         |    V    |
19+45       2.8114      1.23  |Q        |         |         |    V    |
19+50       2.8198      1.22  |Q        |         |         |    V    |
19+55       2.8280      1.20  |Q        |         |         |    V    |
20+ 0       2.8362      1.19  |Q        |         |         |    V    |
20+ 5       2.8444      1.18  |Q        |         |         |    V    |
20+10       2.8524      1.17  |Q        |         |         |    V    |
20+15       2.8603      1.16  |Q        |         |         |     V   |
20+20       2.8682      1.14  |Q        |         |         |     V   |
20+25       2.8760      1.13  |Q        |         |         |     V   |
20+30       2.8838      1.12  |Q        |         |         |     V   |
20+35       2.8914      1.11  |Q        |         |         |     V   |
20+40       2.8990      1.10  |Q        |         |         |     V   |
20+45       2.9066      1.09  |Q        |         |         |     V   |
20+50       2.9140      1.08  |Q        |         |         |     V   |
20+55       2.9214      1.08  |Q        |         |         |     V   |
```

21+ 0	2.9288	1.07	Q				V
21+ 5	2.9361	1.06	Q				V
21+10	2.9433	1.05	Q				V
21+15	2.9505	1.04	Q				V
21+20	2.9576	1.03	Q				V
21+25	2.9646	1.03	Q				V
21+30	2.9717	1.02	Q				V
21+35	2.9786	1.01	Q				V
21+40	2.9855	1.00	Q				V
21+45	2.9924	1.00	Q				V
21+50	2.9992	0.99	Q				V
21+55	3.0060	0.98	Q				V
22+ 0	3.0127	0.98	Q				V
22+ 5	3.0194	0.97	Q				V
22+10	3.0260	0.96	Q				V
22+15	3.0326	0.96	Q				V
22+20	3.0391	0.95	Q				V
22+25	3.0456	0.94	Q				V
22+30	3.0521	0.94	Q				V
22+35	3.0585	0.93	Q				V
22+40	3.0649	0.93	Q				V
22+45	3.0713	0.92	Q				V
22+50	3.0776	0.92	Q				V
22+55	3.0839	0.91	Q				V
23+ 0	3.0901	0.91	Q				V
23+ 5	3.0963	0.90	Q				V
23+10	3.1025	0.90	Q				V
23+15	3.1086	0.89	Q				V
23+20	3.1147	0.89	Q				V
23+25	3.1208	0.88	Q				V
23+30	3.1268	0.88	Q				V
23+35	3.1328	0.87	Q				V
23+40	3.1388	0.87	Q				V
23+45	3.1447	0.86	Q				V
23+50	3.1506	0.86	Q				V
23+55	3.1565	0.85	Q				V
24+ 0	3.1623	0.85	Q				V
24+ 5	3.1677	0.78	Q				V
24+10	3.1706	0.42	Q				V
24+15	3.1714	0.11	Q				V
24+20	3.1715	0.02	Q				V
24+25	3.1716	0.01	Q				V

FLOOD HYDROGRAPH ROUTING PROGRAM
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Study date: 08/31/22

PATRIOT - 5TH AT VICTORIA INDUSTRIAL
100 YEAR STORM EVENT - PROPOSED CONDITION ROUTING STUDY
5482ROUTING
BP

Program License Serial Number 6145

********** HYDROGRAPH INFORMATION **********

From study/file name: 5482P100UH.rte
**********HYDROGRAPH DATA**********
Number of intervals = 293
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 23.591 (CFS)
Total volume = 3.172 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 1.000 to Point/Station 1.000
**** RETARDING BASIN ROUTING ****
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User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 293
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
0.500	0.025	1.190	0.021	0.029
1.500	0.098	1.190	0.094	0.102
2.500	0.187	1.190	0.183	0.191
3.500	0.285	1.190	0.281	0.289
4.500	0.385	1.190	0.381	0.389
5.500	0.486	1.190	0.482	0.490

6.500	0.583	1.190	0.579	0.587
7.500	0.673	1.190	0.669	0.677
8.500	0.746	1.190	0.742	0.750
9.000	0.771	3.560	0.759	0.783
11.000	0.772	19.720	0.704	0.840
11.500	0.773	22.580	0.695	0.851
12.500	0.774	27.390	0.680	0.868

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 5.9 11.80 17.69 23.59	Depth (Ft.)
0.083	0.07	0.01	0.000	O	0.00
0.167	0.42	0.08	0.002	O	0.03
0.250	0.73	0.22	0.005	O	0.09
0.333	0.82	0.37	0.008	OI	0.16
0.417	0.84	0.50	0.011	OI	0.21
0.500	0.85	0.60	0.013	OI	0.25
0.583	0.85	0.67	0.014	OI	0.28
0.667	0.85	0.72	0.015	OI	0.30
0.750	0.85	0.76	0.016	|O	0.32
0.833	0.86	0.78	0.016	|O	0.33
0.917	0.86	0.80	0.017	|O	0.34
1.000	0.86	0.82	0.017	|O	0.34
1.083	0.86	0.83	0.017	|O	0.35
1.167	0.86	0.84	0.018	|O	0.35
1.250	0.87	0.85	0.018	|O	0.36
1.333	0.87	0.85	0.018	|O	0.36
1.417	0.87	0.86	0.018	|O	0.36
1.500	0.87	0.86	0.018	|O	0.36
1.583	0.88	0.87	0.018	|O	0.36
1.667	0.88	0.87	0.018	|O	0.36
1.750	0.88	0.87	0.018	|O	0.37
1.833	0.88	0.87	0.018	|O	0.37
1.917	0.88	0.88	0.018	|O	0.37
2.000	0.89	0.88	0.018	|O	0.37
2.083	0.89	0.88	0.019	|O	0.37
2.167	0.89	0.88	0.019	|O	0.37
2.250	0.89	0.89	0.019	|O	0.37
2.333	0.90	0.89	0.019	|O	0.37
2.417	0.90	0.89	0.019	|O	0.37
2.500	0.90	0.89	0.019	|O	0.38
2.583	0.90	0.90	0.019	|O	0.38
2.667	0.91	0.90	0.019	|O	0.38
2.750	0.91	0.90	0.019	|O	0.38
2.833	0.91	0.90	0.019	|O	0.38
2.917	0.92	0.91	0.019	|O	0.38
3.000	0.92	0.91	0.019	|O	0.38
3.083	0.92	0.91	0.019	|O	0.38
3.167	0.92	0.92	0.019	|O	0.38
3.250	0.93	0.92	0.019	|O	0.39
3.333	0.93	0.92	0.019	|O	0.39
3.417	0.93	0.92	0.019	|O	0.39
3.500	0.94	0.93	0.019	|O	0.39
3.583	0.94	0.93	0.020	|O	0.39
3.667	0.94	0.93	0.020	|O	0.39
3.750	0.94	0.94	0.020	|O	0.39
3.833	0.95	0.94	0.020	|O	0.39
3.917	0.95	0.94	0.020	|O	0.40
4.000	0.95	0.94	0.020	|O	0.40

4.083	0.96	0.95	0.020	O				0.40
4.167	0.96	0.95	0.020	O				0.40
4.250	0.96	0.95	0.020	O				0.40
4.333	0.97	0.96	0.020	O				0.40
4.417	0.97	0.96	0.020	O				0.40
4.500	0.97	0.96	0.020	O				0.40
4.583	0.97	0.97	0.020	O				0.41
4.667	0.98	0.97	0.020	O				0.41
4.750	0.98	0.97	0.020	O				0.41
4.833	0.99	0.97	0.020	O				0.41
4.917	0.99	0.98	0.021	O				0.41
5.000	0.99	0.98	0.021	O				0.41
5.083	1.00	0.98	0.021	O				0.41
5.167	1.00	0.99	0.021	O				0.42
5.250	1.00	0.99	0.021	O				0.42
5.333	1.01	1.00	0.021	O				0.42
5.417	1.01	1.00	0.021	O				0.42
5.500	1.01	1.00	0.021	O				0.42
5.583	1.02	1.01	0.021	O				0.42
5.667	1.02	1.01	0.021	O				0.42
5.750	1.02	1.01	0.021	O				0.43
5.833	1.03	1.02	0.021	O				0.43
5.917	1.03	1.02	0.021	O				0.43
6.000	1.04	1.02	0.022	O				0.43
6.083	1.04	1.03	0.022	O				0.43
6.167	1.04	1.03	0.022	O				0.43
6.250	1.05	1.04	0.022	O				0.44
6.333	1.05	1.04	0.022	O				0.44
6.417	1.06	1.04	0.022	O				0.44
6.500	1.06	1.05	0.022	O				0.44
6.583	1.07	1.05	0.022	O				0.44
6.667	1.07	1.06	0.022	O				0.44
6.750	1.07	1.06	0.022	O				0.45
6.833	1.08	1.07	0.022	O				0.45
6.917	1.08	1.07	0.022	O				0.45
7.000	1.09	1.07	0.023	O				0.45
7.083	1.09	1.08	0.023	O				0.45
7.167	1.10	1.08	0.023	O				0.46
7.250	1.10	1.09	0.023	O				0.46
7.333	1.11	1.09	0.023	O				0.46
7.417	1.11	1.10	0.023	O				0.46
7.500	1.12	1.10	0.023	O				0.46
7.583	1.12	1.11	0.023	O				0.47
7.667	1.13	1.11	0.023	O				0.47
7.750	1.13	1.12	0.023	O				0.47
7.833	1.14	1.12	0.024	O				0.47
7.917	1.14	1.13	0.024	O				0.47
8.000	1.15	1.13	0.024	O				0.48
8.083	1.15	1.14	0.024	O				0.48
8.167	1.16	1.14	0.024	O				0.48
8.250	1.16	1.15	0.024	O				0.48
8.333	1.17	1.15	0.024	O				0.48
8.417	1.18	1.16	0.024	O				0.49
8.500	1.18	1.16	0.024	O				0.49
8.583	1.19	1.17	0.025	O				0.49
8.667	1.19	1.18	0.025	O				0.49
8.750	1.20	1.18	0.025	O				0.50
8.833	1.21	1.19	0.025	O				0.50
8.917	1.21	1.19	0.025	O				0.50
9.000	1.22	1.19	0.025	O				0.50
9.083	1.23	1.19	0.026	O				0.51
9.167	1.23	1.19	0.026	O				0.51
9.250	1.24	1.19	0.026	O				0.52

9.333	1.25	1.19	0.027	O				0.52
9.417	1.25	1.19	0.027	O				0.53
9.500	1.26	1.19	0.027	O				0.53
9.583	1.27	1.19	0.028	O				0.54
9.667	1.28	1.19	0.028	O				0.55
9.750	1.28	1.19	0.029	O				0.56
9.833	1.29	1.19	0.030	O				0.57
9.917	1.30	1.19	0.031	O				0.58
10.000	1.31	1.19	0.031	O				0.59
10.083	1.32	1.19	0.032	O				0.60
10.167	1.33	1.19	0.033	O				0.61
10.250	1.33	1.19	0.034	O				0.62
10.333	1.34	1.19	0.035	O				0.64
10.417	1.35	1.19	0.036	O				0.65
10.500	1.36	1.19	0.037	O				0.67
10.583	1.37	1.19	0.039	O				0.69
10.667	1.38	1.19	0.040	O				0.70
10.750	1.39	1.19	0.041	O				0.72
10.833	1.40	1.19	0.043	O				0.74
10.917	1.41	1.19	0.044	O				0.76
11.000	1.42	1.19	0.046	O				0.78
11.083	1.43	1.19	0.047	O				0.80
11.167	1.44	1.19	0.049	O				0.83
11.250	1.45	1.19	0.051	O				0.85
11.333	1.47	1.19	0.053	O				0.88
11.417	1.48	1.19	0.055	OI				0.90
11.500	1.49	1.19	0.057	OI				0.93
11.583	1.50	1.19	0.059	OI				0.96
11.667	1.52	1.19	0.061	OI				0.99
11.750	1.53	1.19	0.063	OI				1.02
11.833	1.54	1.19	0.066	OI				1.06
11.917	1.56	1.19	0.068	OI				1.09
12.000	1.57	1.19	0.071	OI				1.12
12.083	1.56	1.19	0.073	OI				1.16
12.167	1.44	1.19	0.075	O				1.19
12.250	1.33	1.19	0.077	O				1.21
12.333	1.31	1.19	0.078	O				1.22
12.417	1.32	1.19	0.078	O				1.23
12.500	1.34	1.19	0.079	O				1.25
12.583	1.36	1.19	0.080	O				1.26
12.667	1.37	1.19	0.082	O				1.28
12.750	1.39	1.19	0.083	O				1.30
12.833	1.41	1.19	0.085	O				1.32
12.917	1.43	1.19	0.086	O				1.34
13.000	1.46	1.19	0.088	O				1.36
13.083	1.48	1.19	0.090	OI				1.39
13.167	1.50	1.19	0.092	OI				1.42
13.250	1.53	1.19	0.094	OI				1.45
13.333	1.55	1.19	0.096	OI				1.48
13.417	1.58	1.19	0.099	OI				1.51
13.500	1.61	1.19	0.102	OI				1.54
13.583	1.63	1.19	0.105	OI				1.58
13.667	1.67	1.19	0.108	OI				1.61
13.750	1.70	1.19	0.111	OI				1.65
13.833	1.73	1.19	0.115	OI				1.69
13.917	1.77	1.19	0.119	OI				1.73
14.000	1.81	1.19	0.123	OI				1.78
14.083	1.85	1.19	0.127	OI				1.83
14.167	1.89	1.19	0.132	OI				1.88
14.250	1.94	1.19	0.137	OI				1.94
14.333	1.99	1.19	0.142	OI				2.00
14.417	2.04	1.19	0.148	OI				2.06
14.500	2.10	1.19	0.154	OI				2.13

14.583	2.16	1.19	0.161	OI				2.20
14.667	2.23	1.19	0.168	O I				2.28
14.750	2.30	1.19	0.175	O I				2.36
14.833	2.38	1.19	0.183	O I				2.45
14.917	2.47	1.19	0.191	O I				2.54
15.000	2.57	1.19	0.201	O I				2.64
15.083	2.68	1.19	0.210	O I				2.74
15.167	2.80	1.19	0.221	O I				2.85
15.250	2.94	1.19	0.233	O I				2.97
15.333	3.11	1.19	0.245	O I				3.09
15.417	3.27	1.19	0.259	O I				3.23
15.500	3.42	1.19	0.274	O I				3.39
15.583	3.62	1.19	0.290	O I				3.55
15.667	3.97	1.19	0.308	O I				3.73
15.750	4.43	1.19	0.329	O I				3.94
15.833	5.11	1.19	0.353	O I				4.18
15.917	6.09	1.19	0.384	O I				4.49
16.000	7.97	1.19	0.424	O	I			4.88
16.083	12.89	1.19	0.488	O		I		5.52
16.167	23.59	1.19	0.605	O			I	6.74
16.250	20.37	1.34	0.748	O			I	8.53
16.333	9.73	21.50	0.773		I		O	11.31
16.417	5.44	1.24	0.747	O I				8.51
16.500	4.18	3.00	0.765	OI				8.88
16.583	3.39	3.39	0.769	O				8.96
16.667	3.01	3.30	0.768	O				8.94
16.750	2.73	3.09	0.766	IO				8.90
16.833	2.51	2.86	0.764	O				8.85
16.917	2.33	2.64	0.761	O				8.81
17.000	2.19	2.45	0.759	IO				8.77
17.083	2.06	2.29	0.758	IO				8.73
17.167	1.96	2.15	0.756	O				8.70
17.250	1.86	2.03	0.755	O				8.68
17.333	1.78	1.93	0.754	O				8.66
17.417	1.71	1.84	0.753	O				8.64
17.500	1.64	1.76	0.752	O				8.62
17.583	1.59	1.69	0.751	O				8.61
17.667	1.53	1.63	0.751	O				8.59
17.750	1.49	1.57	0.750	O				8.58
17.833	1.44	1.52	0.749	IO				8.57
17.917	1.40	1.47	0.749	O				8.56
18.000	1.36	1.43	0.748	O				8.55
18.083	1.35	1.39	0.748	O				8.54
18.167	1.46	1.40	0.748	O				8.54
18.250	1.55	1.45	0.749	OI				8.55
18.333	1.55	1.50	0.749	O				8.57
18.417	1.53	1.52	0.749	O				8.57
18.500	1.51	1.52	0.749	O				8.57
18.583	1.48	1.51	0.749	O				8.57
18.667	1.46	1.49	0.749	IO				8.56
18.750	1.44	1.47	0.749	O				8.56
18.833	1.41	1.45	0.749	O				8.55
18.917	1.39	1.43	0.748	O				8.55
19.000	1.37	1.40	0.748	O				8.55
19.083	1.35	1.38	0.748	O				8.54
19.167	1.34	1.37	0.748	O				8.54
19.250	1.32	1.35	0.748	O				8.53
19.333	1.30	1.33	0.747	O				8.53
19.417	1.29	1.31	0.747	O				8.53
19.500	1.27	1.30	0.747	O				8.52
19.583	1.26	1.28	0.747	O				8.52
19.667	1.24	1.27	0.747	O				8.52
19.750	1.23	1.25	0.747	O				8.51

19.833	1.22	1.24	0.746	O				8.51
19.917	1.20	1.22	0.746	O				8.51
20.000	1.19	1.21	0.746	O				8.50
20.083	1.18	1.20	0.746	O				8.50
20.167	1.17	1.19	0.746	O				8.50
20.250	1.16	1.19	0.746	O				8.50
20.333	1.14	1.19	0.745	O				8.49
20.417	1.13	1.19	0.745	O				8.49
20.500	1.12	1.19	0.745	O				8.48
20.583	1.11	1.19	0.744	O				8.47
20.667	1.10	1.19	0.744	O				8.47
20.750	1.09	1.19	0.743	O				8.46
20.833	1.08	1.19	0.742	O				8.45
20.917	1.08	1.19	0.742	O				8.44
21.000	1.07	1.19	0.741	O				8.43
21.083	1.06	1.19	0.740	O				8.42
21.167	1.05	1.19	0.739	O				8.40
21.250	1.04	1.19	0.738	O				8.39
21.333	1.03	1.19	0.737	O				8.37
21.417	1.03	1.19	0.736	O				8.36
21.500	1.02	1.19	0.735	O				8.34
21.583	1.01	1.19	0.733	O				8.33
21.667	1.00	1.19	0.732	O				8.31
21.750	1.00	1.19	0.731	O				8.29
21.833	0.99	1.19	0.729	O				8.27
21.917	0.98	1.19	0.728	O				8.25
22.000	0.98	1.19	0.727	O				8.23
22.083	0.97	1.19	0.725	O				8.21
22.167	0.96	1.19	0.724	O				8.19
22.250	0.96	1.19	0.722	O				8.17
22.333	0.95	1.19	0.720	O				8.15
22.417	0.94	1.19	0.719	O				8.13
22.500	0.94	1.19	0.717	O				8.10
22.583	0.93	1.19	0.715	O				8.08
22.667	0.93	1.19	0.713	O				8.05
22.750	0.92	1.19	0.712	O				8.03
22.833	0.92	1.19	0.710	O				8.00
22.917	0.91	1.19	0.708	O				7.98
23.000	0.91	1.19	0.706	O				7.95
23.083	0.90	1.19	0.704	O				7.92
23.167	0.90	1.19	0.702	O				7.90
23.250	0.89	1.19	0.700	O				7.87
23.333	0.89	1.19	0.698	O				7.84
23.417	0.88	1.19	0.696	O				7.81
23.500	0.88	1.19	0.694	O				7.78
23.583	0.87	1.19	0.691	O				7.75
23.667	0.87	1.19	0.689	O				7.72
23.750	0.86	1.19	0.687	O				7.69
23.833	0.86	1.19	0.685	O				7.66
23.917	0.85	1.19	0.682	O				7.63
24.000	0.85	1.19	0.680	O				7.60
24.083	0.78	1.19	0.677	O				7.56
24.167	0.42	1.19	0.673	IO				7.50
24.250	0.11	1.19	0.667	IO				7.43
24.333	0.02	1.19	0.659	IO				7.35
24.417	0.01	1.19	0.651	IO				7.26
24.500	0.00	1.19	0.643	IO				7.17
24.583	0.00	1.19	0.635	IO				7.08
24.667	0.00	1.19	0.627	IO				6.98
24.750	0.00	1.19	0.618	IO				6.89
24.833	0.00	1.19	0.610	IO				6.80
24.917	0.00	1.19	0.602	IO				6.71
25.000	0.00	1.19	0.594	IO				6.62

25.083	0.00	1.19	0.586	IO				6.53
25.167	0.00	1.19	0.577	IO				6.44
25.250	0.00	1.19	0.569	IO				6.36
25.333	0.00	1.19	0.561	IO				6.27
25.417	0.00	1.19	0.553	IO				6.19
25.500	0.00	1.19	0.545	IO				6.10
25.583	0.00	1.19	0.536	IO				6.02
25.667	0.00	1.19	0.528	IO				5.94
25.750	0.00	1.19	0.520	IO				5.85
25.833	0.00	1.19	0.512	IO				5.77
25.917	0.00	1.19	0.504	IO				5.68
26.000	0.00	1.19	0.495	IO				5.60
26.083	0.00	1.19	0.487	IO				5.51
26.167	0.00	1.19	0.479	IO				5.43
26.250	0.00	1.19	0.471	IO				5.35
26.333	0.00	1.19	0.463	IO				5.27
26.417	0.00	1.19	0.454	IO				5.19
26.500	0.00	1.19	0.446	IO				5.11
26.583	0.00	1.19	0.438	IO				5.03
26.667	0.00	1.19	0.430	IO				4.94
26.750	0.00	1.19	0.422	IO				4.86
26.833	0.00	1.19	0.413	IO				4.78
26.917	0.00	1.19	0.405	IO				4.70
27.000	0.00	1.19	0.397	IO				4.62
27.083	0.00	1.19	0.389	IO				4.54
27.167	0.00	1.19	0.381	IO				4.46
27.250	0.00	1.19	0.372	IO				4.37
27.333	0.00	1.19	0.364	IO				4.29
27.417	0.00	1.19	0.356	IO				4.21
27.500	0.00	1.19	0.348	IO				4.13
27.583	0.00	1.19	0.340	IO				4.05
27.667	0.00	1.19	0.332	IO				3.97
27.750	0.00	1.19	0.323	IO				3.88
27.833	0.00	1.19	0.315	IO				3.80
27.917	0.00	1.19	0.307	IO				3.72
28.000	0.00	1.19	0.299	IO				3.64
28.083	0.00	1.19	0.291	IO				3.56
28.167	0.00	1.19	0.282	IO				3.47
28.250	0.00	1.19	0.274	IO				3.39
28.333	0.00	1.19	0.266	IO				3.31
28.417	0.00	1.19	0.258	IO				3.22
28.500	0.00	1.19	0.250	IO				3.14
28.583	0.00	1.19	0.241	IO				3.05
28.667	0.00	1.19	0.233	IO				2.97
28.750	0.00	1.19	0.225	IO				2.89
28.833	0.00	1.19	0.217	IO				2.80
28.917	0.00	1.19	0.209	IO				2.72
29.000	0.00	1.19	0.200	IO				2.64
29.083	0.00	1.19	0.192	IO				2.55
29.167	0.00	1.19	0.184	IO				2.47
29.250	0.00	1.19	0.176	IO				2.37
29.333	0.00	1.19	0.168	IO				2.28
29.417	0.00	1.19	0.159	IO				2.19
29.500	0.00	1.19	0.151	IO				2.10
29.583	0.00	1.19	0.143	IO				2.01
29.667	0.00	1.19	0.135	IO				1.91
29.750	0.00	1.19	0.127	IO				1.82
29.833	0.00	1.19	0.118	IO				1.73
29.917	0.00	1.19	0.110	IO				1.64
30.000	0.00	1.19	0.102	IO				1.55
30.083	0.00	1.19	0.094	IO				1.44
30.167	0.00	1.19	0.086	IO				1.33
30.250	0.00	1.19	0.077	IO				1.22

30.333	0.00	1.19	0.069	IO	|	|	|	|	1.11
30.417	0.00	1.19	0.061	IO	|	|	|	|	0.99
30.500	0.00	1.19	0.053	IO	|	|	|	|	0.88
30.583	0.00	1.19	0.045	IO	|	|	|	|	0.77
30.667	0.00	1.19	0.036	IO	|	|	|	|	0.66
30.750	0.00	1.19	0.028	IO	|	|	|	|	0.54
30.833	0.00	0.99	0.021	IO	|	|	|	|	0.42
30.917	0.00	0.71	0.015	O	|	|	|	|	0.30
31.000	0.00	0.51	0.011	O	|	|	|	|	0.21
31.083	0.00	0.37	0.008	O	|	|	|	|	0.15
31.167	0.00	0.26	0.006	O	|	|	|	|	0.11
31.250	0.00	0.19	0.004	O	|	|	|	|	0.08
31.333	0.00	0.14	0.003	O	|	|	|	|	0.06
31.417	0.00	0.10	0.002	O	|	|	|	|	0.04
31.500	0.00	0.07	0.001	O	|	|	|	|	0.03
31.583	0.00	0.05	0.001	O	|	|	|	|	0.02
31.667	0.00	0.04	0.001	O	|	|	|	|	0.02
31.750	0.00	0.03	0.001	O	|	|	|	|	0.01
31.833	0.00	0.02	0.000	O	|	|	|	|	0.01
31.917	0.00	0.01	0.000	O	|	|	|	|	0.01
32.000	0.00	0.01	0.000	O	|	|	|	|	0.00
32.083	0.00	0.01	0.000	O	|	|	|	|	0.00
32.167	0.00	0.00	0.000	O	|	|	|	|	0.00
32.250	0.00	0.00	0.000	O	|	|	|	|	0.00
32.333	0.00	0.00	0.000	O	|	|	|	|	0.00
32.417	0.00	0.00	0.000	O	|	|	|	|	0.00

**********HYDROGRAPH DATA**********

Number of intervals = 389
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 21.495 (CFS)
Total volume = 3.172 (Ac.Ft)

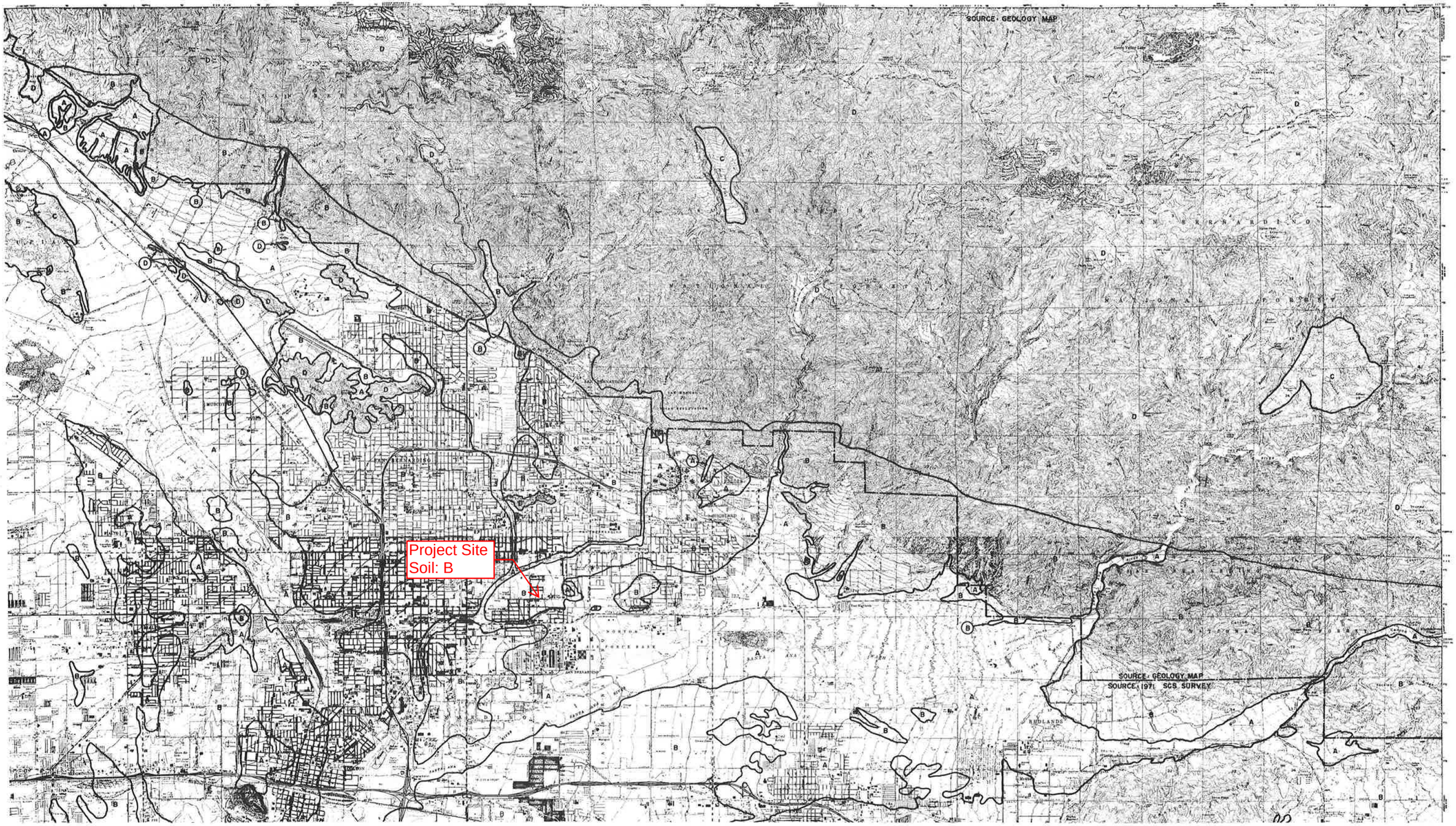
Status of hydrographs being held in storage

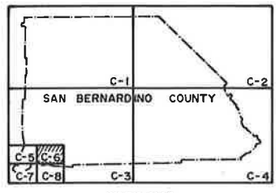
	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

UNDERGROUND SYSTEM EMPTY WITHIN 32 HRS IN 100 YEAR, 24 HOUR STORM EVENT FROM START OF RAIN & 16 HRS FROM PEAK STORM

Appendix D
Soil Group Map and Isohyetal Map





INDEX MAP

LEGEND

SOIL GROUP BOUNDARY

A SOIL GROUP DESIGNATION

BOUNDARY OF INDICATED SOURCE

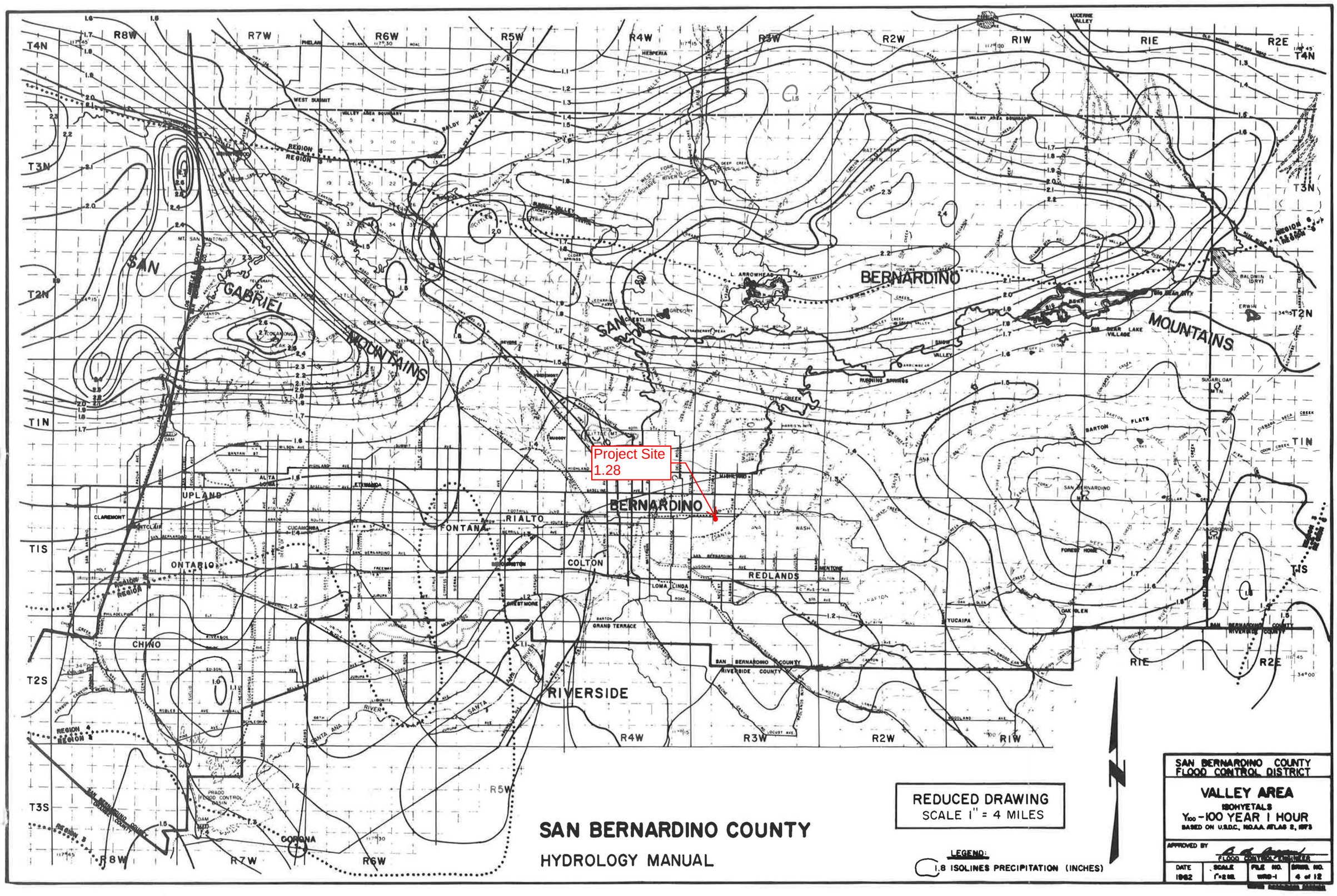
SCALE 1:48,000

SCALE REDUCED BY 1/2

SAN BERNARDINO COUNTY

HYDROLOGY MANUAL

HYDROLOGIC SOILS GROUP MAP
FOR
SOUTHWEST-B AREA



B-12

FIGURE B-4

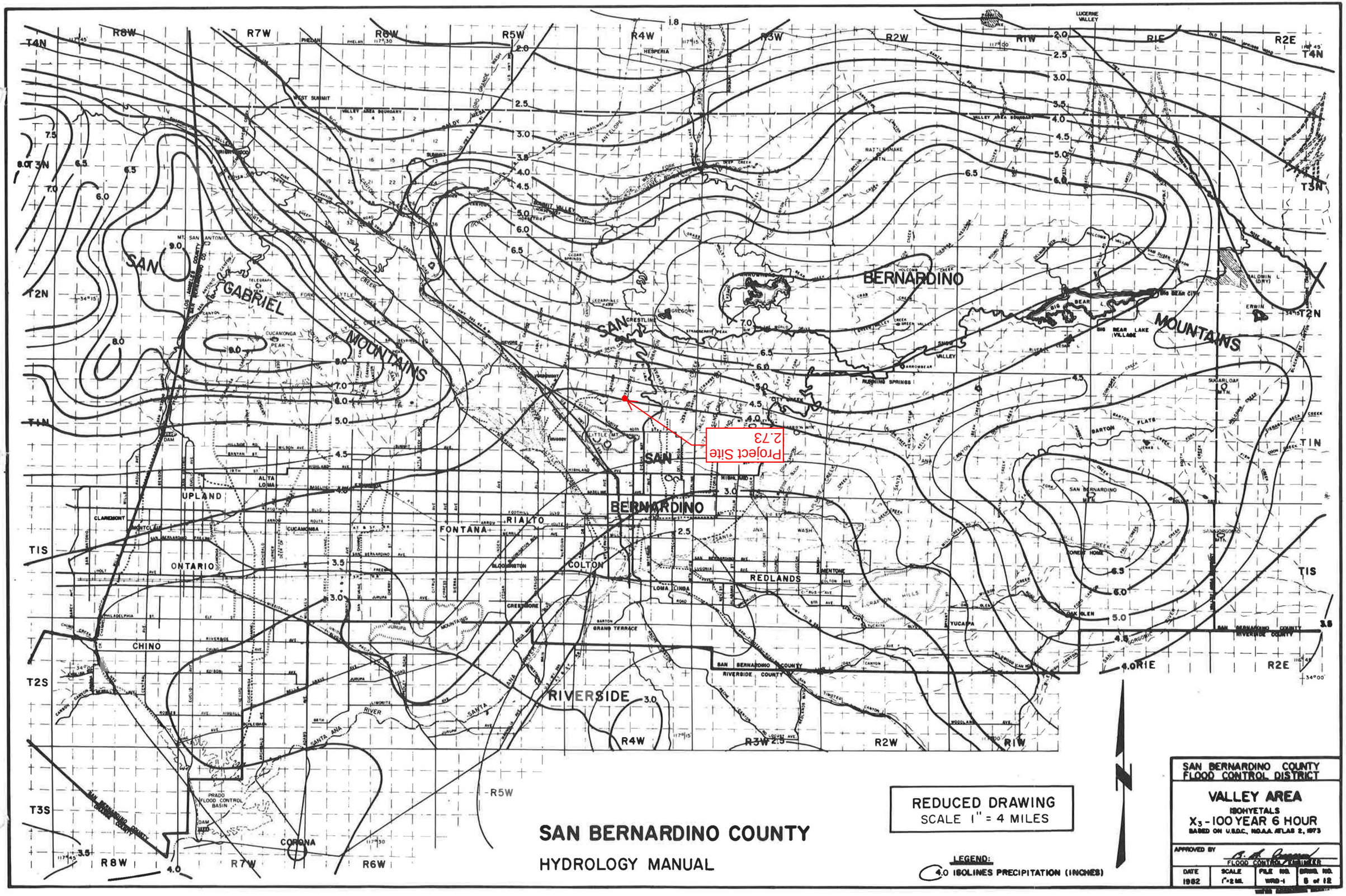

Project Site
2.73
SAN BERNARDINO COUNTY
HYDROLOGY MANUAL
REDUCED DRAWING
SCALE 1" = 4 MILES
LEGEND:
4.0 ISOLINES PRECIPITATION (INCHES)
SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
VALLEY AREA
ISOHYETALS
X3 - 100 YEAR 6 HOUR
BASED ON U.S.D.C., NOAA ATLAS 2, 1973
APPROVED BY
FLOOD CONTROL ENGINEER
DATE 1982
SCALE 1"=2 MI.
FILE NO. WRD-1
DRWG. NO. 6 of 12
SAN BERNARDINO
RIVERSIDE
CORONA
PRADO FLOOD CONTROL BASIN
SAN GABRIEL MOUNTAINS
SAN BERNARDINO MOUNTAINS
BIG BEAR LAKE
BIG BEAR CITY
LAKE ARROWHEAD
RUNNING SPRINGS
SNOW VALLEY
SAN BERNARDINO MTN.
SUGARLOAF MTN.
MT. SAN ANTONIO
CUCAMONGA PEAK
UPLAND
ONTARIO
CHINO
FONTANA
RIALTO
COLTON
REDLANDS
YUCAIPA
CRESTLINE
HESPERIA
VICTORVILLE
LUCERNE VALLEY
BALDWIN L. (DRY)
ERWIN L.
T4N
T3N
T2N
T1N
T1S
T2S
T3S
R8W
R7W
R6W
R5W
R4W
R3W
R2W
R1W
R1E
R2E

FIGURE B-5

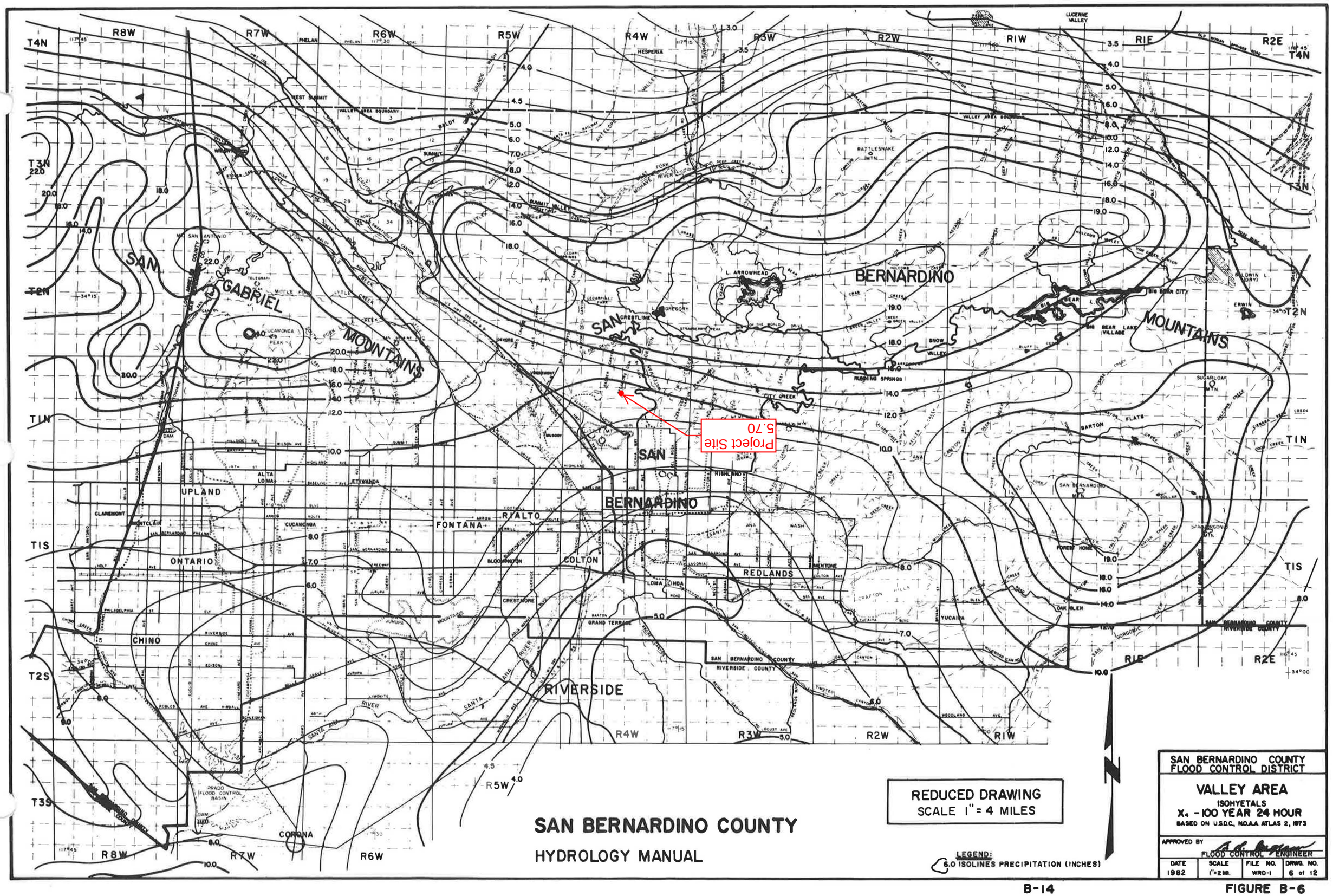

Project Site
5.70
SAN BERNARDINO COUNTY
HYDROLOGY MANUAL
REDUCED DRAWING
SCALE 1" = 4 MILES
LEGEND:
6.0 ISOLINES PRECIPITATION (INCHES)
SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
VALLEY AREA
ISOHYETALS
X₆ - 100 YEAR 24 HOUR
BASED ON U.S.D.C., N.O.A.A. ATLAS 2, 1973
APPROVED BY
FLOOD CONTROL ENGINEER
DATE 1982
SCALE 1"=2 MI.
FILE NO. WRD-1
DRWG. NO. 6 of 12

FIGURE B-6

Appendix E
Selected References

Appendix H
Noise Modeling

Table 2 - Summary of Average Daily Traffic Volumes (Existing and Buildout plus Project)

Street Segment	Average Daily Traffic (Year 2019)[1]	% Heavy Vehicle (from counts)	Project % Distribution[2]		Project Traffic			Existing plus Project Total	Future Buildout 2040[1]	Future Buildout 2040 plus Project
			Passenger	Trucks	Passenger	Trucks	Total			
Victoria Avenue, 5th Street to 6th Street	8,368	7%	80%	0%	175	0	175	8,543	13,237	13,412
5th Street, Victoria Avenue to Central Avenue	9,939	3%	28%	80%	60	66	126	10,065	34,273	34,399
3rd Street, Victoria Avenue to Palm Avenue	10,714	3%	45%	20%	98	17	115	10,829	22,639	22,754

Notes:

[1]Average Daily Traffic (year 2019) and Future Buildout 2040 traffic volumes have been obtained from the Traffic Impact Study for the Airport Gateway Specific Plan Project in the Cities of San Bernardino and Highland, Kimley Horn and Associates, July 2019

[2]The preliminary site plan shows project access driveways on Victoria Avenue, 5th Street and 3rd Street. Project trip distribution is based on logical commute pattern, truck routes and driveway access controls for cars and trucks.

Appendix I
Traffic Scoping Form

City of San Bernardino Public Works / Traffic Engineering Department

Traffic Scope Approval Form

To be completed by applicant consultant and approved by Public Works prior to start of study

Project Name: Project Warehouse

Address: Project 5th Street Warehouse Project

Description: Southeast corner of Victoria Avenue and 5th Street, Highland

Developer's Name: Single industrial/warehouse building approximately 176.066 ksf (inclusive of 12 ksf of office/mezzanine)

Address: Patriot Development Partners

Telephone no. 12126 W. Sunset Boulevard, Los Angeles CA, 90049 **Email Address:** 858-952-4132 kevin@patriotdevelopmentpartners.com

Trip Generation Rates from ITE Latest Edition SEE ATTACHED TABLE 1. FOR DETAILED PROJECT TRIP GENERATION.

Land Use (1)	Warehouse	
Development Sq Ft	176,066	
ITE Land Use Code	150	
Daily Trips	301 (429 PCE)	
AM Peak Hour Trips		
Inbound	23 (33 PCE)	
Outbound	7 (10 PCE)	
Total	30 (43 PCE)	
PM Peak Hour Trips		
Inbound	9 (14 PCE)	
Outbound	23 (33 PCE)	
Total	32 (47 PCE)	

Development Sq Ft		
ITE Land Use Code		
Daily Trips		
AM Peak Hour Trips		
Inbound		
Outbound		
Total		
PM Peak Hour Trips		
Inbound		
Outbound		
Total		

(Use Additional Sheet(s), if necessary)

Pass-by Trips (%), if applicable _____ %

Land Use (1)		**Land Use (2)**
Development Sq Ft		**Development Sq Ft**
ITE Land Use Code		**ITE Land Use Code**
Daily Trips		**Daily Trips**
AM Peak Hour Trips		**AM Peak Hour Trips**
Inbound		**Inbound**
Outbound		**Outbound**
Total		**Total**
PM Peak Hour Trips		**PM Peak Hour Trips**
Inbound		**Inbound**
Outbound		**Outbound**
Total		**Total**

Project Opening Year: _____ **Build-out Year:** _____

Study Intersections:

1	N/A - Project generates <1000 daily	**6**	
2	trips and also <100 peak hour trips	**7**	
3		**8**	
4		**9**	
5		**10**	

(Use Additional Sheet(s) and Maps to show project Boundaries & Attach memo for project Description)

City of San Bernardino Public Works / Traffic Engineering Department

Traffic Scope Approval Form

To be completed by applicant consultant and approved by Public Works prior to start of study

Study Roadway Segments: 1 N/A - Project generates <1000 daily trips and also <100 peak hour trips; 2 ; 3 ; 6 ; 7 ; 8

Proposed Development Use: ☐ Residential ☐ Commercial ☐ Mixed Use ☑ Other

Software methodology: ☐ Synchro ☐ HCS

Additional issues to be considered:

- ☐ Traffic calming measures
- ☐ Queuing Analysis
- ☐ Bike/Ped Accommodations
- ☐ Merge Analysis
- ☐ Gap Analysis
- ☐ Actuation/Coordination
- ☐ Safety Analysis
- ☐ Sight Distance Analysis

Is the project screened from VMT assessment? Yes **No** (circled)

VMT Screening Justification: The City of Highland does not have VMTguidelines, however based on previous projects in the city it was directed to use SBCTA's VMT guidelines. Per SBCTA's VMT Screening Tool, the project would not screen out of conducting a detailed VMT analysis. Therefore, the project's VMT analysis was conducted using a project specific SBTAM model run. A detailed VMT analysis showing less than significant VMT impact will be included in the project's ISMND.

Ambient Growth Rate: _____%

SEE ATTACHED FOR PROJECT TRIP DISTRIBUTION AND ASSIGNMENT FIGURES.

Trip Distribution: East_____% West_____% North_____% South_____%

Consultant Preparer's Name: Dudek, Dennis Pascua, Transportation Services Manager

Address: 605 Third Street, Encinitas, CA 92024

Telephone No. 760-479-4256 **PE /TE License #:** Charles Greely, PE CA No. 69056

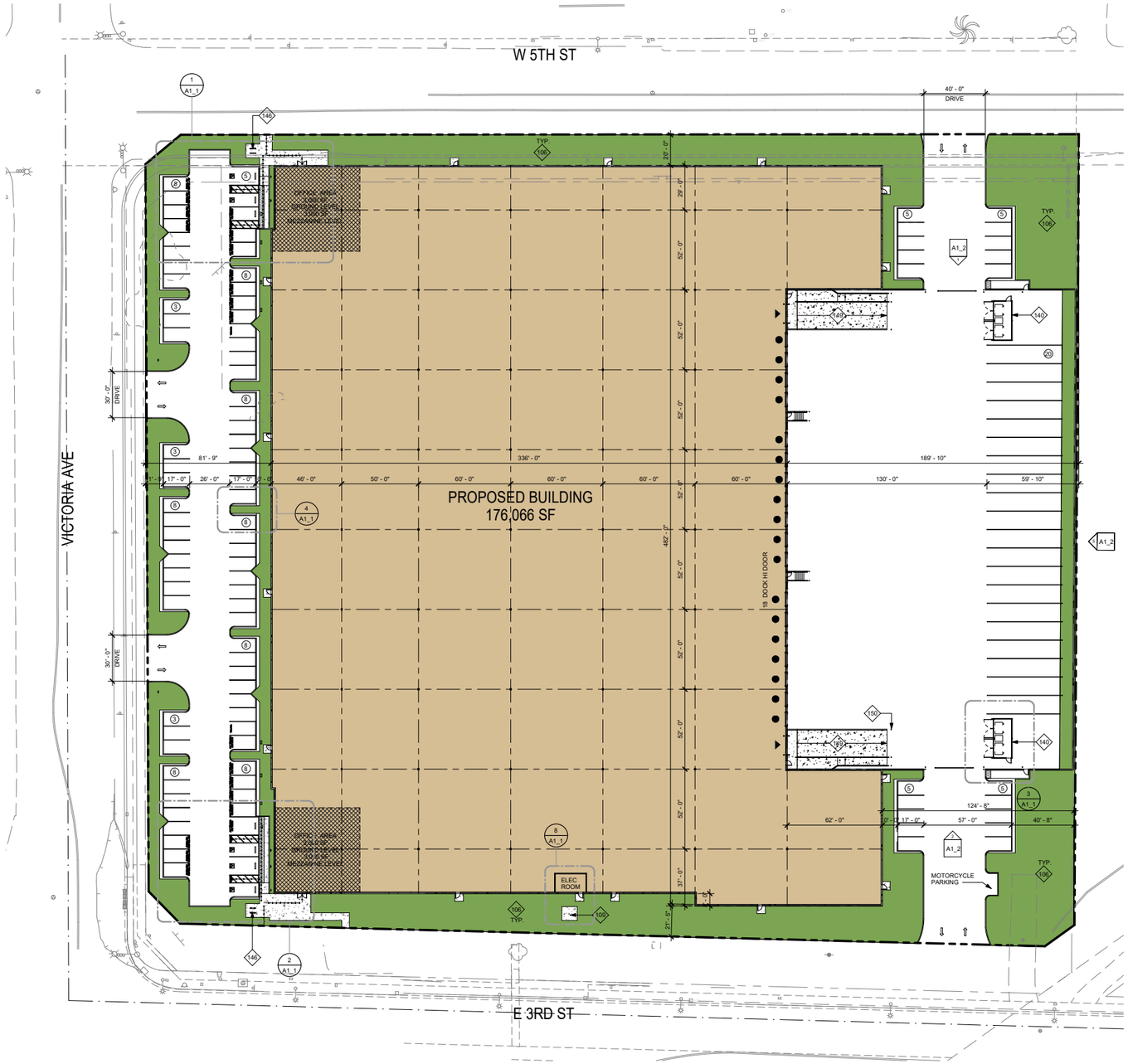
Email Address: dpascua@dudek.com

Signatures: _____ **Date:** 11/14/2022

Approved By (Public Works Department):

Signatures: _____ **Date:** _____

Name: _____ **Title:** _____



1 PROPOSED SITE PLAN
1" = 30'-0"

DEVELOPER/OWNER

ADDRESS
CONTACT:
PHONE: XXX.XXX.XXXX
EMAIL:

APPLICANT'S REPRESENTATIVE/ARCHITECT

HERDMAN ARCHITECTURE & DESIGN, INC.
100 BAYVIEW CIRCLE SUITE 100
NEWPORT BEACH, CA 92660
CONTACT: BRIDGET HERDMAN
PHONE: 714.389.2800
EMAIL: PROJECTADMIN@HERDMAN-AD.COM

SCOPE OF WORK

CONSTRUCT NEW ONE STORY + MEZZANINE CONCRETE TILT-UP WAREHOUSE/DISTRIBUTION FACILITY WITH ELECTRICAL AND PLUMBING SERVICES, EXTERIOR LIGHTING, LANDCAPING & IRRIGATION, TRASH ENCLOSURES, CONCRETE SCREEN WALLS, AND SLIDING/SWINGING METAL GATES. FIRE SPRINKLER AND GRADING PLANS TO BE A SEPARATE SUBMITTAL AND PERMIT

LEGAL DESCRIPTION & ZONING

LEGAL DESCRIPTION:

ASSESSOR'S PARCEL NO:

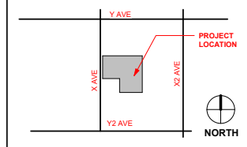
SPECIFIC PLAN LEGEND:

ZONING:

SHEET INDEX

A1	SITE PLAN
A1_1	ENLARGED PARTIAL SITE PLANS
A1_2	ENLARGED PARTIAL SITE PLANS
A1_3	SCREEN WALL PLAN & ELEVATIONS
A2	GROUND LEVEL FLOOR PLANS
A3	ROOF PLAN
A4	EXTERIOR ELEVATIONS
C1	CIVIL
C2	CIVIL
C3	CIVIL
L1	LANDSCAPING

VICINITY MAP



SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS.
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS.
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE FACE OF THE WALL FINISH.
4. REFER TO CIVIL, AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECTS SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
6. ALL ACCESSIBLE ROUTES IDENTIFIED ON THE SITE PLAN DRAWINGS SHALL CONFORM TO THE FOLLOWING:
   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%.
   b) THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.
   c) CHANGES IN LEVEL UP TO 1/2" COMPLY w/ 11A0.2.1. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLANS.
   d) THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN.
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 6" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE MOW STRIP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERTICAL OF THE FINISHED GRADE. SEE 2/AD1.1
10. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY SEE DETAIL 3/AD1.1
11. ALL EXPOSED BIORETENSION DEVICE COVERINGS SHALL BE PAINTED FOREST GREEN.
12. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE. SEE 6/AD1.2
13. PROVIDE A HOSE BIB NEAR THE MAIN ENTRANCE AND IN THE TRASH ENCLOSURE. SEE PLAN FOR LOCATION.

KEYNOTES

106	@ SHADING, PROPOSED LANDSCAPING. SEE LANDSCAPE PLANS.
109	(N) TRANSFORMER LOCATION.
140	TRASH ENCLOSURE w/ ROOF COVERING.
146	2 POSITION BIKE RACK.
149	CONCRETE TRUCK RAMP w/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALLS AND HANDRAILS.SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
150	STEEL PIPE BOLLARD PROTECTION POST.

LOT AREA

SQUARE FOOTAGE	ACRES
314755 SF	7.23

FLOOR AREA RATIO

BUILDING AREA	SITE AREA	FAR ALLOWABLE	FAR PROVIDED
176066 SF	314755 SF	60%	55.9%

BUILDING AREA SUMMARY

NAME	AREA
GROUND FLOOR	
WAREHOUSE	164066 SF
OFFICE	6000 SF
	170066 SF
MEZZANINE	
OFFICE	6000 SF
	6000 SF
GROUND LEVEL + MEZZANINE	
WAREHOUSE	164066 SF
OFFICE	12000 SF
TOTAL BUILDING AREA	176066 SF

LANDSCAPE AREA SUMMARY

LOT AREA	% LANDSCAPING REQUIRED	AREA LANDSCAPING PROVIDED	% LANDSCAPING PROVIDED
314755 SF	0%	49982 SF	15.9%

TOTAL PARKING REQUIRED

BUILDING USE	BUILDING AREA	PARKING RATIO 1/X	REQ. PARKING
OFFICE	12000 SF	250	48
WAREHOUSE	20000 SF	1000	20
WAREHOUSE	20000 SF	2000	10
TOTAL	52000 SF		78

REQUIRED PARKING BREAKDOWN

SPACE TYPE	SPACES REQUIRED
COMPACT STALLS	0
STANDARD STALLS	60
STANDARD ACCESSIBLE STALLS	3
VAN ACCESSIBLE STALLS	1
CLEAN AIR STALLS	5
FUTURE EV CHARGING ONLY STALLS	7
FUTURE EV CHARGING ONLY STANDARD ACCESSIBLE STALLS	1
FUTURE EV CHARGING ONLY VAN ACCESSIBLE STALLS	1
FUTURE EV CHARGING ONLY AMBULATORY STALLS	0
TOTAL	78

PARKING PROVIDED

SPACE TYPE	SPACES PROVIDED
STANDARD STALLS	71
STANDARD ACCESSIBLE STALLS	3
VAN ACCESSIBLE STALLS	2
CLEAN AIR STALLS	7
VANPOOL	2
FUTURE EV CHARGING ONLY STALLS	11
FUTURE EV CHARGING ONLY STANDARD ACCESSIBLE STALLS	1
FUTURE EV CHARGING ONLY VAN ACCESSIBLE STALLS	1
TOTAL	98

TRAILER PARKING REQUIRED NO. CITY REQ.	TRAILER PARKING PROVIDED
0	20

SITE LEGEND

- LANDSCAPE AREA
- CONCRETE PAVING. SEE CIVIL DRAWINGS FOR PAVING SECTIONS
- FIRE HYDRANT. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY THE FIRE AUTHORITY. SEE 3/AD1.1
- STREET LIGHT
- INDICATES AN ACCESSIBLE ROUTE. MUST COMPLY w/ SITE PLAN GENERAL NOTE #6
- PROPERTY LINE
- DOCK HIGH DOOR
- DRIVE THRU. DOOR

PROJECT
PATRIOT PARTNERS 5th ST
HIGHLAND, CA
1st PLANNING SUBMITTAL

HERDMAN
ARCHITECTURE + DESIGN
A22-2140
07.29.2022

SITE PLAN

NORTH

A1

7/28/2022 4:43:15 PM

Table 1. Trip Generation for 5th & Victoria Avenue Warehouse, Highland

Land Use	ITE Code	Size/Units	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
TRIP RATES [1]									
Warehousing	150	TSF	1.71	0.13	0.04	0.17	0.05	0.13	0.18
Single-family (detached)	210	DU	9.43	0.18	0.52	0.70	0.59	0.35	0.94
EXISTING TRIP GENERATION [2]									
Existing Residences	**210**	**Dus**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
PROJECT TRIP GENERATION									
Proposed Project	150	176.066 TSF	301	23	7	30	9	23	32
Vehicle Mix[2]		**Percent**[2]							
Passenger Vehicles		72.5%	218	17	5	22	6	17	23
Trucks		27.5%	83	6	2	8	3	6	9
2-Axle Trucks		*4.6%*	*14*	*1*	*0*	*1*	*0*	*1*	*1*
3-Axle Trucks		*5.7%*	*17*	*1*	*1*	*2*	*1*	*1*	*2*
4+-Axle Trucks		*17.2%*	*52*	*4*	*1*	*5*	*2*	*4*	*6*
Project Trip Generation Non-PCE			***301***	***23***	***7***	***30***	***9***	***23***	***32***
Net New Project Trip Generation Non-PCE (Proposed-Exsting)			***301***	***23***	***7***	***30***	***9***	***23***	***32***
		PCE Factor[3]							
Passenger Vehicles		1.0	218	17	5	22	6	17	23
2-Axle Trucks		1.5	21	2	0	2	0	2	2
3-Axle Trucks		2.0	34	2	2	4	2	2	4
4+-Axle Trucks		3.0	156	12	3	15	6	12	18
Project Trip Generation PCE			***429***	***33***	***10***	***43***	***14***	***33***	***47***
Net New Project Trip Generation PCE			***429***	***33***	***10***	***43***	***14***	***33***	***47***

Notes: TSF = Thousand Square Feet; PCE = Passenger Car Equivalent

[1] Trip rates from the Institute of Transportation Engineers (ITE), *Trip Generation, 11th Edition, 2021.*

[2] Vehicle Mix and Percent from SCAQMD, Warehouse Truck Trip Study Data Results and Usage, July 2014.

[3] Passenger Car Equivalent (PCE) factors per the San Bernardino County CMP, 2016.

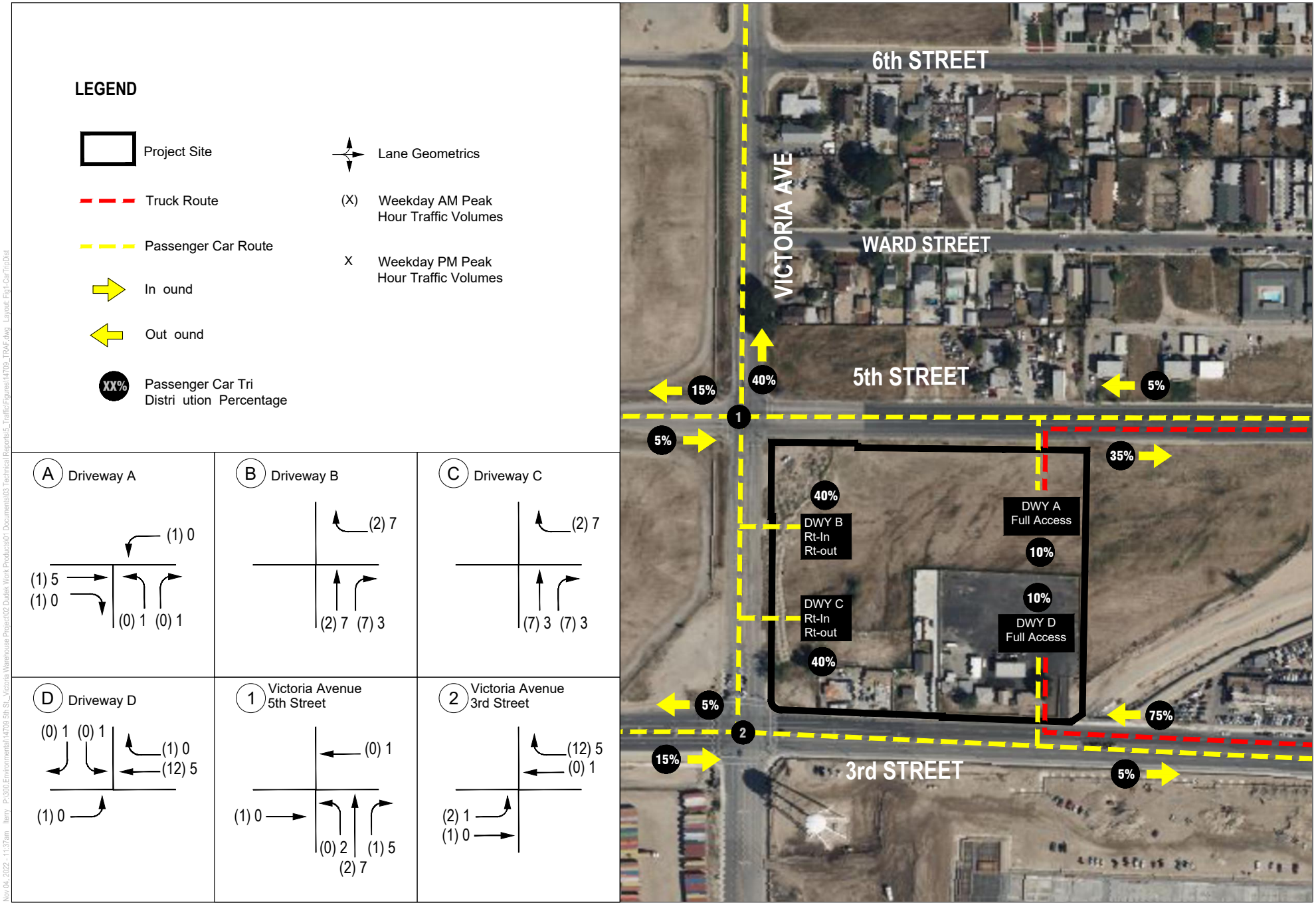


Figure 1

Passenger Car Trip Distribution and Assignment

5th Street and Victoria Warehouse Project

DUDEK

NOT TO SCALE

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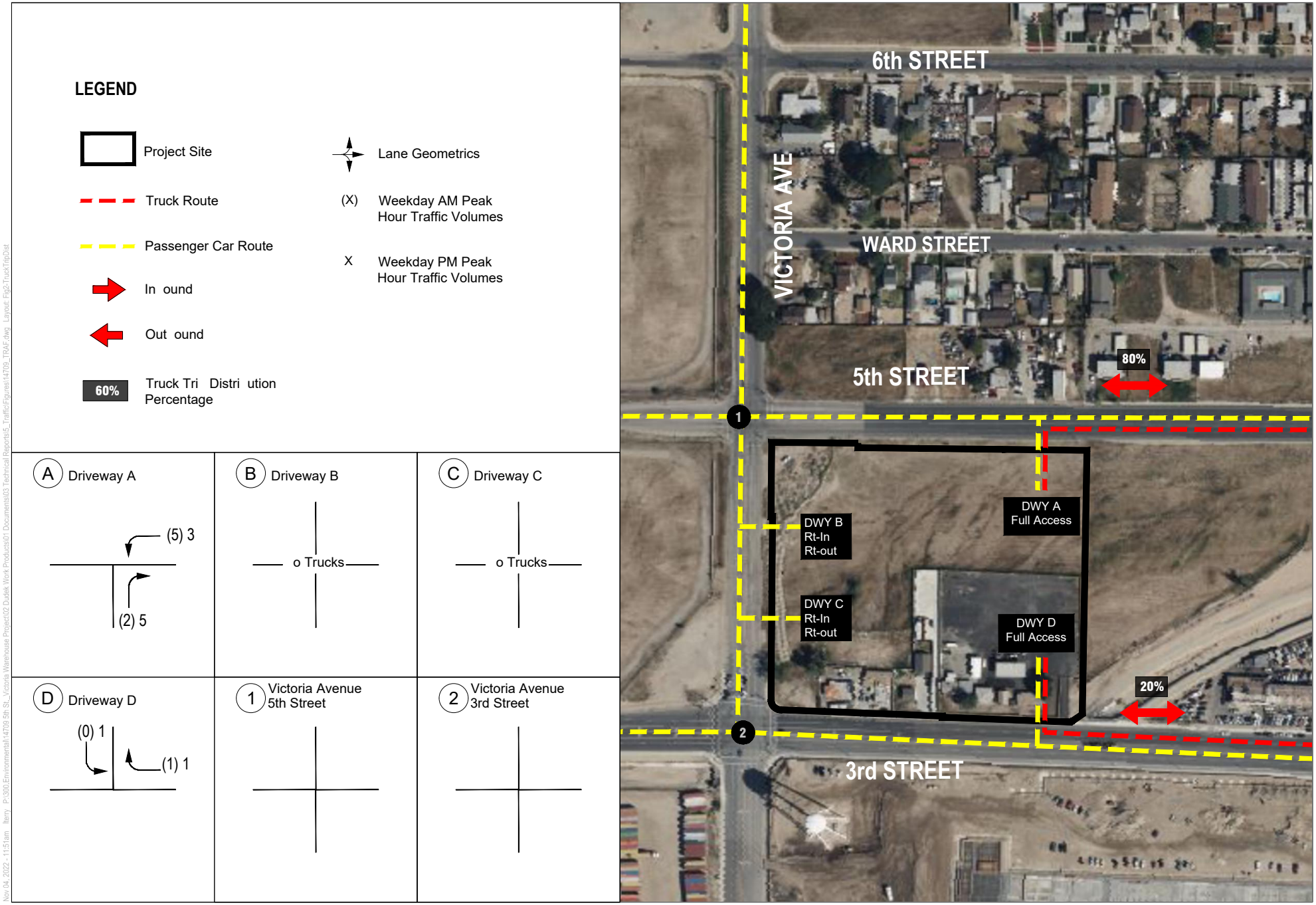


Figure 2

Truck Trip Distribution and Assignment

5th Street and Victoria Warehouse Project

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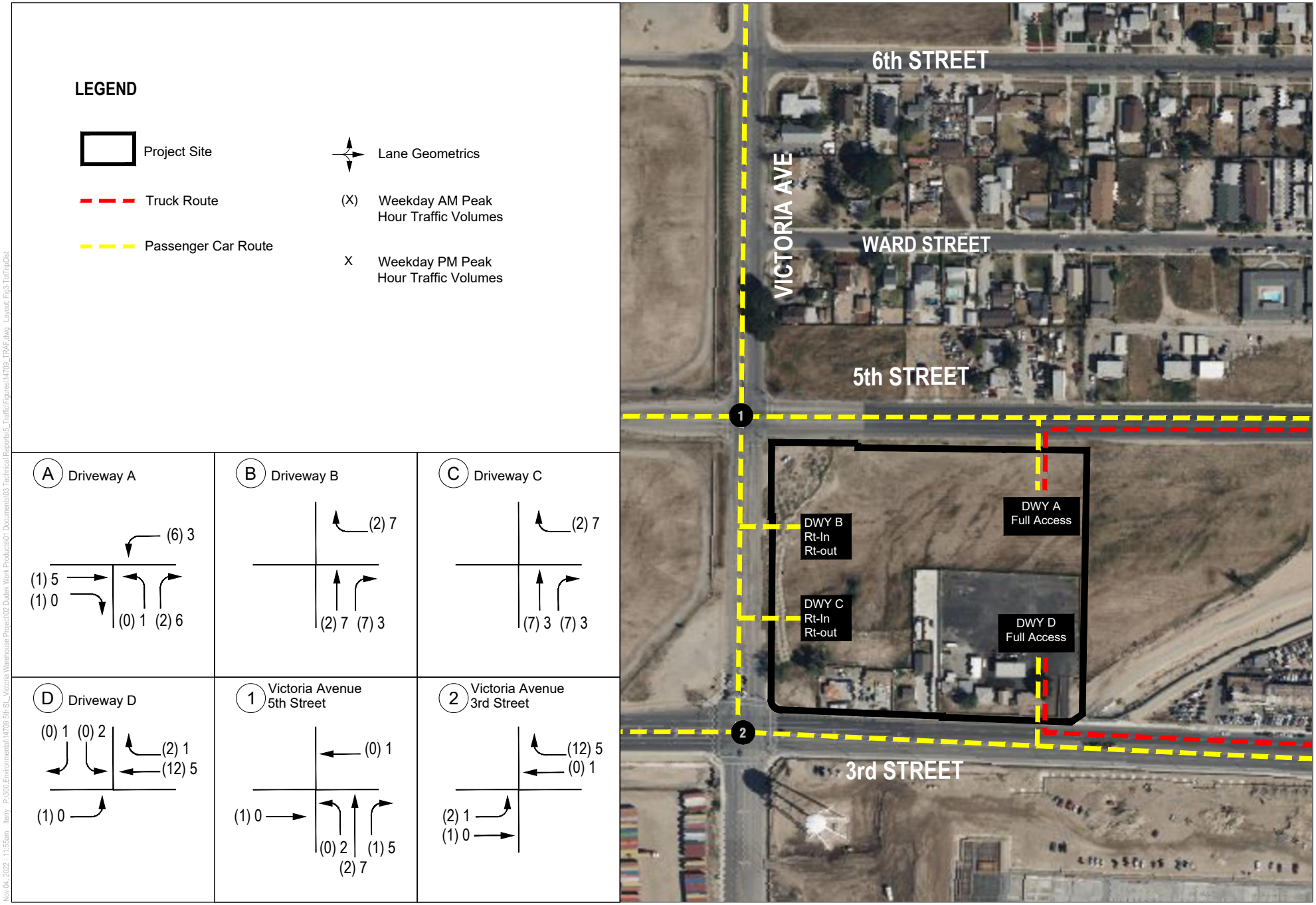


Figure 3

Total Trip Assignment (Non-PCE)

5th Street and Victoria Warehouse Project

DUDEK

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Appendix J

Vehicle Miles Traveled Analysis

February 1, 2023

Ms. Sabita Tewani
Dudek
605 Third Street
Encinitas, CA 92024

PATRIOT PARTNERS 5TH STREET VEHICLE MILES TRAVELED (VMT) ANALYSIS

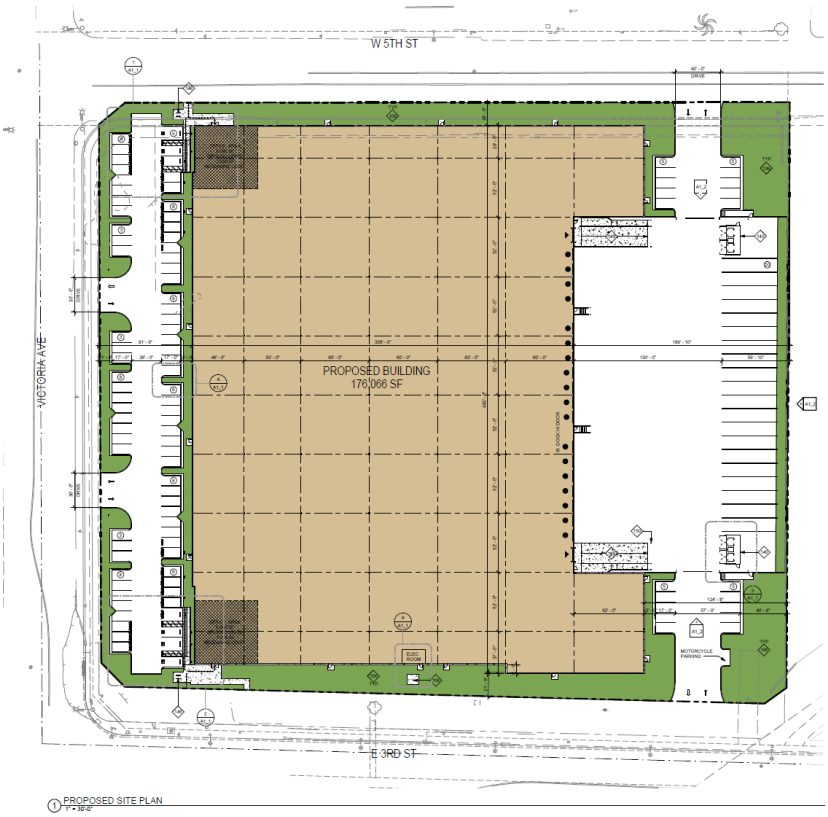
Ms. Sabita Tewani,

Urban Crossroads, Inc. is pleased to provide the following Vehicle Miles Traveled (VMT) Analysis for the Patriot Partners 5th Street development (**Project**), which is located on the northeast corner of 3rd Street and Victoria Avenue in the City of Highland.

PROJECT OVERVIEW

It is our understanding that the project is to consist of a single 176,066 square foot industrial warehouse building on 7.23 acres. A preliminary site plan can be found in Exhibit 1.

EXHIBIT 1: PRELIMINARY SITE PLAN



BACKGROUND

Changes to California Environmental Quality Act (CEQA) Guidelines were adopted in December 2018, which require all lead agencies to adopt VMT as a replacement for automobile delay-based level of service (LOS) as the measure for identifying transportation impacts for land use projects. This statewide mandate went into effect July 1, 2020. To aid in this transition, the Governor's Office of Planning and Research (OPR) released a Technical Advisory on Evaluating Transportation Impacts in CEQA (December 2018) (**Technical Advisory**) (1). In February 2020, the San Bernardino County Transportation Authority (SBCTA) released the SBCTA Recommended Traffic Impact Analysis Guidelines for Vehicle Miles Traveled and Level of Service Assessment (**SBCTA Guidelines**) (2) that address VMT analysis requirements. At the time of this analysis, the City of Highland has yet to formally adopt City VMT guidelines and impact thresholds. However, based on consultation with City planning and engineering staff, this analysis has been prepared utilizing recommendations outlined by the SBCTA Guidelines.

VMT SCREENING

The SBCTA Guidelines provide information on appropriate screening thresholds that can be used to identify when a proposed land use project is anticipated to result in a less than significant impact without the need to conduct a more detailed project level assessment. For the purposes of this analysis, the initial VMT screening process has been conducted with the SBCTA VMT Screening Tool (**Screening Tool**), which uses screening criteria consistent with the screening thresholds recommended in the City Guidelines. The SBCTA recommended screening thresholds are listed below:

- Step 1: TPA screening
- Step 2: Low VMT area screening
- Step 3: Project Type screening

Consistent with SBCTA Guidelines, a land use project needs only to satisfy one of the above screening thresholds to result in a less than significant impact.

TPA SCREENING

As described in the SBCTA Guidelines, projects located within a Transit Priority Area (TPA) (i.e., within ½ mile of an existing "major transit stop"[1] or an existing stop along a "high-quality transit corridor"[2]) may be presumed to have a less than significant impact absent substantial evidence to the contrary. However, the presumption may not be appropriate if a project:

[1] Pub. Resources Code, § 21064.3 ("'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.").
[2] Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

- Has a Floor Area Ratio (FAR) of less than 0.75;
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization); or
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

Based on the Screening Tool results presented in Attachment A, the Project site is not located within ½ mile of an existing major transit stop, or along a high-quality transit corridor.

TPA screening criteria is not met.

LOW VMT AREA SCREENING

Consistent with the SBCTA Guidelines, "Residential and office projects located within a low VMT-generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary. In addition, other employment-related and mixed-use land use projects may qualify for the use of screening if the project can reasonably be expected to generate VMT per resident, per worker, or per service population that is similar to the existing land uses in the low VMT area."[3] The Project's physical location based on APN(s) is selected in the Screening Tool to determine project generated VMT as compared to the City's recommended impact threshold. The parcel containing the proposed Project was selected and the Screening Tool was run for the VMT per service population measure of VMT. The Project resides within TAZ 53831303 and was shown to generate 25.9 VMT per service population whereas the City's impact threshold is 26.6 VMT per service population. Based on the Screening Tool results, the Project is located within a low VMT generating zone as compared to the City's recommended threshold of better than City of Highland future buildout VMT per service population (See Attachment A). However, the TAZ for which the Project resides does not include any industrial employment and therefore would not be reflective of the Project's proposed land use.

Low VMT Area screening criteria is not met.

PROJECT TYPE SCREENING

SBCTA Guidelines state that local serving retail projects less than 50,000 square feet may be presumed to have a less than significant impact. In addition to local serving retail, other local serving land uses such as public facilities, day care centers, gas stations, etc. would tend to provide local services and result in reducing overall VMT. The Project does not intend to develop any local serving retail or essential services.

[3] SBCTA Guidelines; Page26

Additionally, SBCTA Guidelines identifies projects that generate fewer than 110 daily trips would not cause a substantial increase in the total citywide or regional VMT and are therefore presumed to have a less than significant impact on VMT. Trips generated by the Project's proposed land uses have been estimated based on trip generation rates collected by the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition, 2021 (3). The proposed Project is anticipated to generate a total of 301 vehicle trip-ends per day (see Attachment B). The Project is anticipated to generate more than 110 trips per day. Therefore, the Project would not meet the daily vehicle trips screening threshold.

Project Type screening criteria is not met.

The Project does not meet any of the aforementioned screening criteria and a VMT analysis has been prepared.

VMT ANALYSIS

VMT MODELING

SBCTA Guidelines identify SBTAM as the appropriate tool for conducting VMT analysis for land use projects in San Bernardino County. SBTAM is a useful tool to estimate VMT as it considers interactions between different land uses based on socio-economic data such as population, households, and employment. The calculation of VMT for land use projects is based on the total number of trips generated and the average trip length of each vehicle. SBTAM is also consistent with the model used to develop the City's VMT impact thresholds listed by the SBCTA Guidelines. Therefore, the vehicle trips and average daily trip length for project-related vehicle trips are model derived from SBTAM.

VMT METRIC AND SIGNIFICANCE THRESHOLD

Based on consultation with City Staff, a single employment generating land use project in the City of Highland shall use the VMT metric of VMT per service population (i.e., population plus employment) as the appropriate measure in a VMT analysis. The City Guidelines have identified following recommended threshold:

- The baseline and cumulative project generated VMT per service population exceeds the future City buildout citywide average VMT per service population.

SBCTA provides VMT calculations for each of its member agencies. Urban Crossroads has obtained this published data from SBCTA, which for the City of Highland the citywide future buildout is reported to be **22.54 VMT per service population**.

PROJECT LAND USE CONVERSION

In order to evaluate Project VMT, standard land use information must first be converted into data compatible with SBTAM. The SBTAM model utilizes socio-economic data (SED) (e.g., population, households, employment, etc.) instead of land use information for the purposes of vehicle trip estimation. Project land use information such as building square footages must first be changed to SED (i.e., employment) for input into SBTAM. Employment density factors are derived by the Southern California Association of Governments (SCAG) Employment Density Study (October

2001) (4). Table 1 presents the estimated number of Project employees by land use type used to populate the SBTAM model for the proposed Project.

TABLE 1: EMPLOYMENT ESTIMATES

Land Use	Quantity	Conversion Factor	Employees
Warehouse	176,066	1,195 SF per employee	147

PROJECT GENERATED VMT CALCULATION AND RESULTS

SBTAM was utilized to calculate Project generated VMT for the Project's proposed warehousing land uses. Those values were then divided by the Project's scenario specific service population[4] in estimate to derive project generated VMT per service population. The VMT for all scenarios is then normalized by dividing by the Project TAZ's service population. The project generated VMT and VMT per service population was then calculated for baseline 2022 condition using straight-line interpolation of the base year and cumulative year results. Table 2 identifies the project generated VMT, VMT per service population, and the Project's comparison to the City's threshold.

TABLE 2: PROJECT VMT PER SERVICE POPULATION

	Baseline	Cumulative Year
Service Population	147	147
VMT	2,865	2,589
VMT per Service Population	19.45	17.57
City Threshold	22.54	22.54
Percent Below City Threshold	-13.71%	-22.05%
Potentially Significant?	No	No

The Project would not exceed the threshold future City buildout citywide average VMT per service population for both in the baseline or cumulative Project conditions. The Project VMT impact is therefore considered less than significant.

PROJECT'S CUMULATIVE EFFECT ON VMT

The SBCTA Guidelines consistent with the Technical Advisory states that cumulative impacts on VMT "… metrics such as VMT per capita, VMT per employee, and VMT per service population i.e., metrics framed in terms of efficiency (as recommended below for use on residential and office projects), cannot be summed because they employ a denominator. A project that falls below an efficiency-based threshold that is aligned with long-term goals and relevant plans has no cumulative impact distinct from the project impact. Accordingly, a finding of a less-than-significant project impact would imply a less than significant cumulative impact, and vice versa. This is similar to the analysis typically conducted for greenhouse gas emissions, air quality impacts, and impacts that utilize plan compliance as a threshold of significance." Since the Project

[4] As the Project only includes employment generating uses, service population (i.e., population plus employment) refers in this case to only employees.

was found to have a less than significant impact at the project level, it is considered to have a less than significant cumulative impact as well.

CONCLUSION

In summary, the Project was evaluated consistent with available screening criteria as presented in the City Guidelines. The Project was found to not meet any available screening criteria and a VMT analysis using SBTAM was performed. The results show that the Project would not exceed the City's impact threshold. The Project has a less than significant impact on VMT.

If you have any questions, please contact me directly at aso@urbanxroads.com.

Respectfully submitted,

URBAN CROSSROADS, INC.

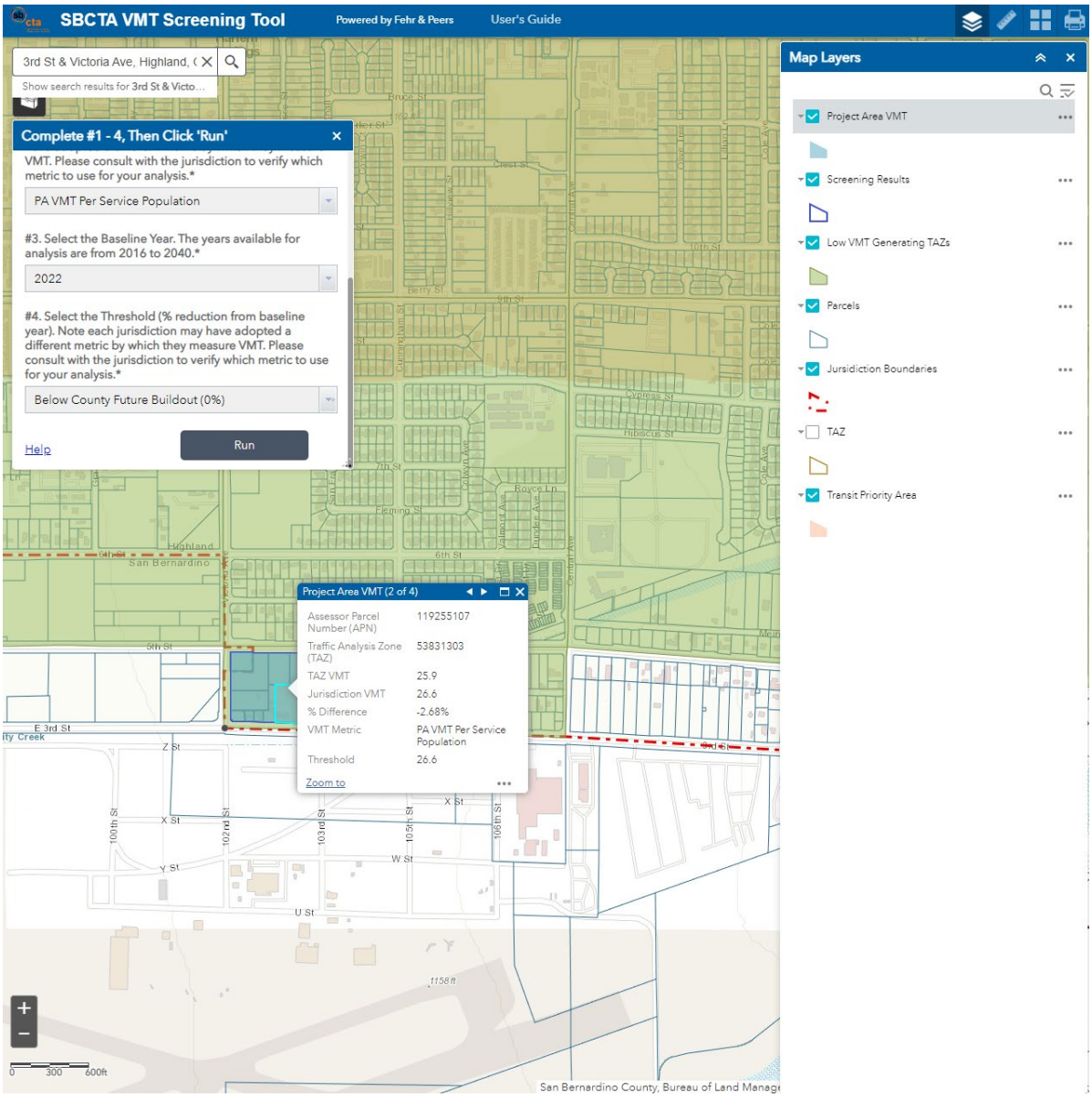


Alexander So
Senior Associate

REFERENCES

1. **Office of Planning and Research.** *Technical Advisory on Evaluating Transportation Impacts in CEQA.* State of California : s.n., December 2018.
2. **San Bernardino County Transportation Authority (SBCTA).** *Recommended Traffic Impact Analysis Guidelines for Vehicle Miles Traveled and Level of Service Assessment.* February 2020.
3. **Institute of Transportation Engineers.** *Trip Generation Manual.* 11th Edition. 2021.
4. **Southern California Association of Governments.** *Employment Density Study.* October 2001.

ATTACHMENT A
SBCTA SCREENING TOOL


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
3rd St & Victoria Ave, Highland, C
Show search results for 3rd St & Victo...
Complete #1 - 4, Then Click 'Run'
VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
PA VMT Per Service Population
#3. Select the Baseline Year. The years available for analysis are from 2016 to 2040.*
2022
#4. Select the Threshold (% reduction from baseline year). Note each jurisdiction may have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
Below County Future Buildout (0%)
Help
Run
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jurisdiction Boundaries
TAZ
Transit Priority Area
Project Area VMT (2 of 4)
Assessor Parcel Number (APN) 119255107
Traffic Analysis Zone (TAZ) 53831303
TAZ VMT 25.9
Jurisdiction VMT 26.6
% Difference -2.68%
VMT Metric PA VMT Per Service Population
Threshold 26.6
Zoom to
San Bernardino
Highland
E 3rd St
Z St
X St
Y St
W St
U St
100th St
102nd St
103rd St
105th St
106th St
1158 ft
0 300 600ft
San Bernardino County, Bureau of Land Manage

ATTACHMENT B
PROJECT TRIP GENERATION

Table 1. Trip Generation for 5th & Victoria Avenue Warehouse, Highland

Land Use	ITE Code	Size/Units	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
TRIP RATES [1]									
Warehousing	150	TSF	1.71	0.13	0.04	0.17	0.05	0.13	0.18
PROJECT TRIP GENERATION									
Proposed Project	150	176.066 TSF	301	23	7	30	8	23	32
Vehicle Mix[2]		Percent[2]							
Passenger Vehicles		72.5%	218	17	5	22	6	17	23
Trucks		27.5%	83	6	2	8	3	6	9
2-Axle Trucks		*4.6%*	*14*	*1*	*0*	*1*	*0*	*1*	*1*
3-Axle Trucks		*5.7%*	*17*	*1*	*1*	*2*	*1*	*1*	*2*
4+-Axle Trucks		*17.2%*	*52*	*4*	*1*	*5*	*2*	*4*	*6*
Project Trip Generation Non-PCE			***301***	***23***	***7***	***30***	***9***	***23***	***32***
		PCE Factor[3]							
Passenger Vehicles		1.0	218	17	5	22	6	17	23
2-Axle Trucks		1.5	21	2	0	2	0	2	2
3-Axle Trucks		2.0	34	2	2	4	2	2	4
4+-Axle Trucks		3.0	156	12	3	15	6	12	18
Project Trip Generation PCE			***429***	***33***	***10***	***43***	***14***	***33***	***47***

Notes: TSF = Thousand Square Feet; PCE = Passenger Car Equivalent

[1] Trip rates from the Institute of Transportation Engineers (ITE), *Trip Generation, 11th Edition, 2021.*

[2] Vehicle Mix and Percent from SCAQMD, Warehouse Truck Trip Study Data Results and Usage, July 2014.

[3] Passenger Car Equivalent (PCE) factors per the San Bernardino County CMP, 2016.

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MAIN OFFICE
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ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

MEMORANDUM

To:	Kim Stater, City of Highland
From:	Sabita Tewani, AICP, PTP, Transportation Planner Dennis Pascua, Transportation Services Manager
Subject:	Parking Study for the 5th Street and Victoria Avenue Warehouse Project, City of Highland
Date:	June 28, 2023
cc:	Alexandra Martini, Project Manager
Attachments:	Attachment A – Site Plan Attachment B – Parking Ratios at Other Patriot Developments Attachment C – Driveway Counts and Parking Demand Worksheets

The following parking study has been prepared for the proposed 5th and Victoria Street Warehouse project (project) in the City of Highland (City). Figure 1 illustrates the regional and project location.

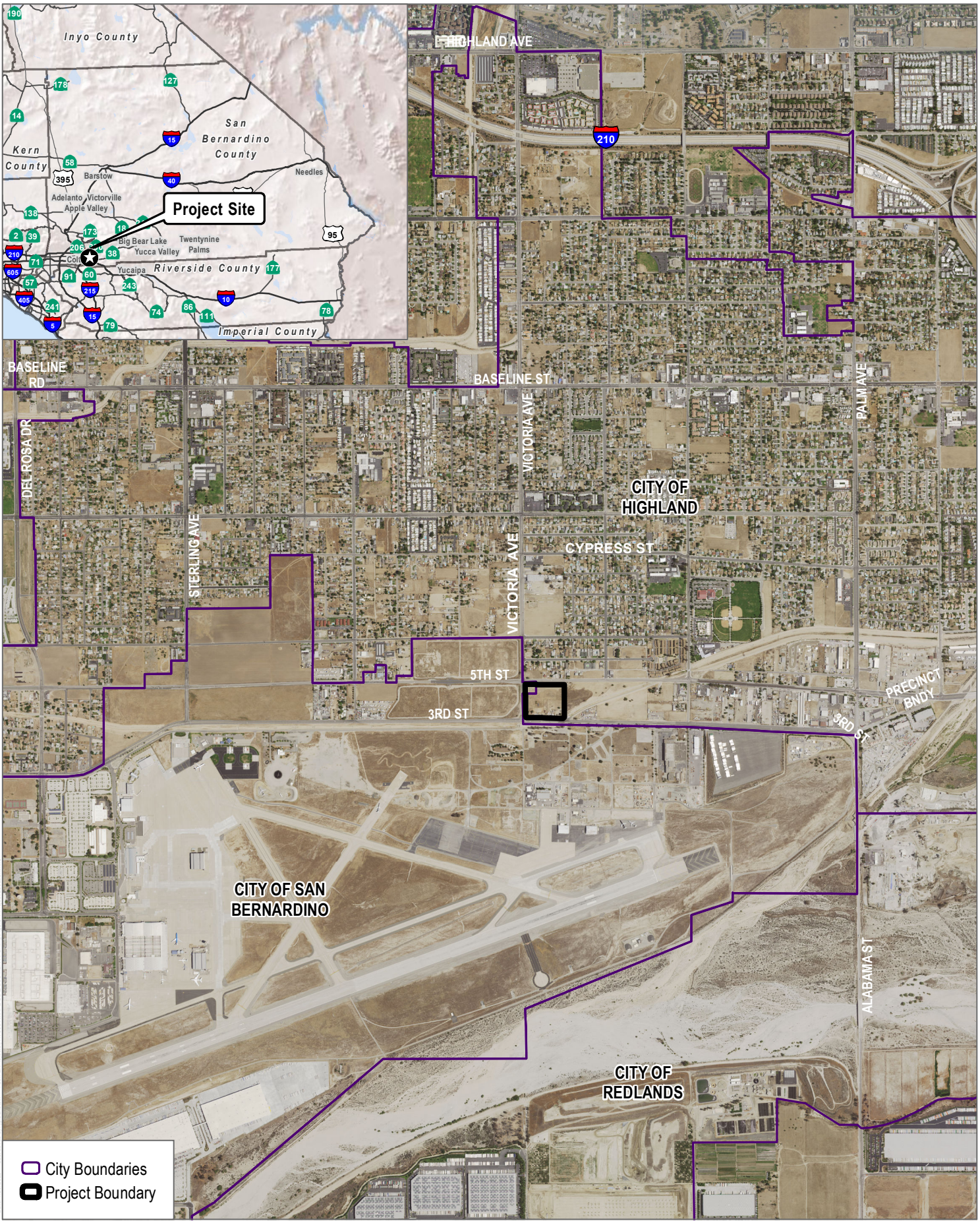
The proposed project is a warehouse located along the southwestern border of the City, north of the San Bernardino International Airport and the City of San Bernardino. Table 16.52.030.A in Section 16.52.030 of the Highland Municipal Code (Code) identifies the following off-street automobile parking space requirements for the following land uses applicable to the project:

- *E.3. Warehouse and distribution: 1 space per 1,000 gross feet of floor area devoted to warehousing plus the required amount of parking for gross square footage devoted to other uses.*
- *B.3.I.i. Offices – Administrative, business, professional: 1 space per 250 gross feet of floor area.*

Furthermore, in the case that the project would not be able to provide the Code's required number of spaces, per Section 16.52.020, a decrease in the number of required spaces may be granted through the approval of a variance:

- *F.2. A decrease in the number of spaces required by the schedules for provision of off-street parking and loading spaces and bicycle facilities contained in HMC 16.52.030 and 16.52.040 may be granted under the circumstances identified in HMC 16.52.050, or by the approval of a variance.*

The purpose of this parking study is to determine whether the project will provide an adequate parking supply based on the City Code's parking requirement. In addition, in the event the project could not meet the City's Code parking requirement, the City is allowing a parking demand analysis to be conducted to determine whether adequate parking would be supplied on site, subject to the City's review and approval. The parking demand analysis is based on the observed parking demand of four existing warehouses that are of similar use and comparable size to the proposed project. Two of the warehouses are located within three miles of the project site



SOURCE: Bing Maps 2022

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

5th Street and Victoria Avenue Warehouse Project

were surveyed in 2021. Two additional warehouses were surveyed in May 2023 per City's request which was to include additional warehouses in the cities of Ontario and/or San Bernardino to validate the findings of observed low parking demand at these warehouse facilities.

Project Location and Description

The project site is located at the southeastern corner of 5th Street and Victoria Avenue, north of 3rd Street, east of Victoria Avenue, south of 5th Street. Regional access to the project area is provided by Interstate (I-) 10 to the south, I-215 to the west, and State Route (SR) 210 to the east. Local access to the project site would be via 5th Street, 3rd Street and Victoria Avenue.

The project proposes to construct a 173,976-square-foot (gross area, inclusive of mezzanine/office spaces), one-story warehouse building on an approximately 7.08-acre site. The warehouse building would be composed of approximately 161,976 square feet of warehouse space and 12,000 square feet of mezzanine/office space. The parking supply for passenger vehicles would be a total of 79 spaces, consisting of 56 standard spaces, 2 accessible spaces compliant with the Americans with Disabilities Act (ADA), 2 van accessible stalls, 1 vanpool parking space, 2 electric vehicle (EV) only parking spaces, 14 future EV charging only spaces, 1 EV charging van ADA space and 1 EV charging ADA space. The site plan is provided in Attachment A.

Municipal Code Parking Requirements

The Code parking requirement for the project was calculated by utilizing the off-street parking requirements established in the Code. Section 16.52.020 of the Highland Municipal Code states that where calculations yield a fractional space, the fraction shall be rounded to the next lower whole number. Table 2 provides the parking requirements for the proposed project per Section 16.52.030 of the Highland Municipal Code.

Table 1. Parking Requirements per Highland Municipal Code

Land Use	Size	City of Highland Parking Rates	Parking Requirement
Warehouse	161,976 SF	1 space per 1,000 SF of floor area	161 spaces
Office/Mezzanine	12,000 SF	1 space per 250 SF of floor area	48 spaces
Total	**173,976 SF**		**209 spaces**

Notes: SF = square foot

As shown in Table 1, the project would require a total of 209 parking spaces per the Code. This results in an aggregate rate of 1 space per 832.4 SF (173,976 SF ÷ 209 spaces). As previously indicated, the parking supply for passenger vehicles would be a total of 79 spaces. Therefore, the project would not meet the City's parking requirements per the Code and would have a shortfall of 130 spaces.

Municipal Code Parking Requirements for Other Cities

Parking requirements established in nearby City Codes are summarized in Table 2 to provide a comparison to those established by the City of Highland. For each jurisdiction analyzed below, according to each jurisdiction's municipal code, where calculations yield a fractional space, the fraction shall be rounded up to the next whole number. As stated above, the City of Highland requires fractional spaces to be rounded to the next lower whole number. As

shown in Table 2, the City of Fontana provides the least conservative parking requirements for warehouse land uses, while the City of Highland provides the most conservative parking requirements.

Table 2. Parking Requirements per Various Cities' Municipal Codes

Jurisdiction	Required Parking Rates per Municipal Code	Estimated Required Parking of Proposed Project[1] in other Jurisdictions
Rancho Cucamonga	**Warehouse/Storage:** 1 per 1,000 sf for first 20,000 sf; 1 per 2,000 sf for the next 20,000 sf; and 1 per 4,000 sf for the remaining sf	61
	Office & administration: 4 per 1,000 sf	48
	Total	**109**
	Required Parking Ratio for Project in Rancho Cucamonga (Spaces/TSF)	**0.627**
Fontana	**Warehouse/Distribution/Logistics:** One parking space is required for each 1,000 square feet of gross floor area for the initial 20,000 square feet; one parking space is required for each 2,000 square feet of additional gross floor area for the next 20,000 square feet; and one parking space is required for each 5,000 square feet of additional gross floor area over 40,000 square feet.	47
	Professional or Unspecified Office: One parking space is required for each 250 square feet of gross floor area	48
	Total	**105**
	Required Parking Ratio for Project in Fontana (Spaces/TSF)	**0.604**
Perris	**Warehousing:** One space per 1,000 square feet of gross floor area for the first 20,000 square feet and one space per 2,000 square feet for that portion over 20,000 square feet	91
	Professional offices: One space for every 300 square feet	40
	Total	**131**
	Required Parking Ratio for Project in Perris (Spaces/TSF)	**0.753**
Moreno Valley	**Warehouse and distribution:** 1/1,000 sq. ft. of gross floor area for the first 20,000 sq. ft.; 1/ea. 2,000 sq. ft. of gross floor area for the second 20,000 sq. ft.; 1/ea. 4,000 sq. ft. of gross floor area for areas in excess of the initial 40,000 sq. ft.	61
	Business and professional offices: 1/250 sq. ft. of gross floor area	48
	Total	**109**
	Required Parking Ratio for Project in Moreno Valley (Spaces/TSF)	**0.627**
Ontario	**Warehouse and distribution:** 1/1,000 sq. ft. of gross floor area for the first 20,000 sq. ft.; 1/ea. 2,000 sq. ft. of gross floor area for the portion over 20,000 sq. ft.	**91**
	Office area: 1/250 sq. ft. of gross floor area	**48**
	Total	**139**
	Required Parking Ratio for Project in Ontario (Spaces/TSF)	**0.80**
City of San Bernadino	**Industrial/warehousing:** 1 space /250 sq ft for 1-3,000 sq ft; 1 space / 500 sq ft for 3,001 - 5,000 sq ft., 1 space / 750 sq ft for 5,001 - 10,000 sq ft., 1 space / 1000 sq ft for 10,001 - 50,000 sq. ft. and 1 space / 1,250 sq ft for 50,001+ sq ft.	**163**
	Required Parking Ratio for Project in City of San Bernardino (Spaces/TSF)	**0.80**

Table 2. Parking Requirements per Various Cities' Municipal Codes

Jurisdiction	Required Parking Rates per Municipal Code	Estimated Required Parking of Proposed Project[1] in other Jurisdictions
Redlands	**Automated Warehouse:** 1 space/1,000 sq. ft. of gross floor area or 1 space/each employee on the largest shift, whichever is greater (Requirement may be reduced if applicant submits letter justifying reduction of spaces; however, adequate area for expansion of parking shall be provided in case of conversion of use.)	**174**
	Required Parking Ratio for Project (automated) in Redlands (Spaces/TSF)	**1.00**
	Warehouse: 1 space/500 sq. ft. of gross floor area up to 20,000 sq. ft; 1 space per 1,000 sq. ft. over 20,000 sq. ft.	**194**
	Required Parking Ratio for Project in Redlands (Spaces/TSF)	**1.11**
Highland	**Warehouse and distribution:** 1 space per 1,000 gross sq. ft. of floor area devoted to warehousing plus the required amount of parking for gross square footage devoted to other uses	161
	Administrative, business, professional: 1 space per 250 gross ft. of floor area	48
	Total	**209**
	Required Parking Ratio for Project in Highland (Spaces/TSF)	**1.201**

Notes: sf/sq. ft. = square foot; TSF = thousand square feet
[1] The proposed project consists of 161,976 SF warehousing and 12,000 SF office-related uses.

A review of these parking requirements per various cities is provided for informational purposes. The parking demand analysis used in determining the adequacy of project's parking supply is discussed in the next section. Additionally, parking supplies provided for other nearby warehousing projects developed by Patriot Development Partners (Patriot) are summarized in Attachment B.

Parking Demand Analysis

As noted above, in the event the project could not meet the City's Code parking requirement, the City is allowing a parking demand analysis to be conducted to determine whether adequate parking would be supplied on site, subject to the City's review and approval. The following parking demand analysis demonstrates whether the project can accommodate peak parking demand, based on the peak parking demand observed at four existing warehouses similar in capacity and located in the Inland Empire.

Parking Surveys

The following four existing occupied warehouses were chosen to be surveyed for parking demand:

- 1295 Central Avenue, San Bernardino, CA 92408: an approximately 296,725 SF warehouse (Fender Warehouse), located on the southeast corner of Central Avenue/Tippecanoe Avenue. This facility has 197 passenger vehicle parking spaces and is parked at 1 space per 1,506 SF.
- 27081 Almond Avenue, Redlands, CA 92374: an approximately 326,920 SF warehouse (2AM Logistics BMW Parts Distribution Center), located on the southeast corner of Nevada Street/Almond Avenue. This facility has 174 passenger vehicle parking spaces and is parked at 1 space per 1,879 SF.

- 550 S. Campus Avenue, Ontario, CA 91761: an approximately 102,855 SF warehouse, located on the northwest corner of Campus Avenue/Sunkist Street intersection. The parking spaces are not clearly marked in this warehouse site.
- 1455 Research Drive, Redlands CA 92374: an approximately 145,800 SF warehouse located west of Research Drive, north of Lugonia Avenue and south of Almond Avenue. This facility has 133 passenger vehicle parking spaces and is parked at 1 space per 1,096 SF.

It should be noted that the building square footages of the existing warehouses were estimated using aerial photography and were determined to be occupied and in operation based on site observations. Figure 2 shows a close-up view of the 1295 Central Avenue warehouse layout, and Figure 3 shows a close-up view of the 27081 Almond Avenue warehouse layout. Additionally, figure 4 shows a close-up view of the 550 S. Campus Avenue warehouse layout, and Figure 5 shows the close-up view of the 1455 Research Drive warehouse layout.

To determine the on-site parking demands of the warehouses, Dudek contracted with a qualified traffic/ parking data collection firm to conduct hourly vehicle counts at the driveways of the two warehouses. The driveway counts accounted for vehicles entering and exiting all project driveways every 15 minutes, over a 24-hour period for two typical weekdays of a non-holiday week. The driveway counts were conducted at the sites in February 2021 and May 2023. Raw driveway count data collected for the for the warehouses is provided as Attachment C to this memorandum.

The peak parking demand at the 1295 Central Avenue and 27081 Almond Avenue sites was derived by subtracting the number of vehicles exiting the site and adding the number of vehicles entering the site at each driveway for each 15-minute increment over the 24-hour period to the assumed baseline. Baseline parking space occupancy was calculated for the beginning of each survey period (12:00 a.m.) by determining the number of vehicles that would not result in "negative occupied spaces" at any time throughout the survey. For example, the 1295 Central Avenue Warehouse experienced the greatest net loss of vehicles throughout the survey period (31 vehicles) between 12:00 a.m. and 2:30 a.m. on Tuesday, February 2. After 2:30 AM, the rate at which the number of vehicles entering the site begins to exceed those exiting. Therefore, a baseline of 32 vehicles (31 vehicles plus 1 residual) was assumed to already occupy spaces at the project site at the beginning of the survey period. The same methodology was applied to each day at both warehouses.

However, for the warehouses on 550 S. Campus Avenue and 1455 Research Drive, one vehicle was assumed to already occupy space at each warehouse site at the beginning of their survey periods. Worksheets detailing the baseline parking occupancy assumptions, as well as the parking demand calculations, are provided as Attachment C to this memorandum. Table 3 presents the findings of the parking demand analysis.



SOURCE: Bing Maps 2022

DUDEK

0 100 200 Feet

FIGURE 2

1295 Central Avenue Warehouse

5th Street and Victoria Avenue Warehouse Project



SOURCE: Bing Maps 2022

DUDEK

0 100 200 Feet

FIGURE 3

27081 Almond Avenue Warehouse

5th Street and Victoria Avenue Warehouse Project



SOURCE: Bing Maps 2022

DUDEK

0 100 200 Feet

FIGURE 5

1455 Research Drive Warehouse

5th Street and Victoria Avenue Warehouse Project



SOURCE: Bing Maps 2022

DUDEK

0 50 100 Feet

FIGURE 4

550 S. Campus Avenue Warehouse

5th Street and Victoria Avenue Warehouse Project

Table 3. Observed Peak Parking Demand and Rates

Warehouse Site	Size	# of Spaces	Day 1		Day 2	
			Peak Demand	Observed Parking Rate	Peak Demand	Observed Parking Rate
1295 Central Ave	297,860 SF	197	112	1 space per 2,660 SF	111	1 space per 2,684 SF
27081 Almond Ave	326,920 SF	174	55	1 space per 5,416 SF	49	1 space per 6,079 SF
550 S. Campus Ave	102,855 SF	NA	12	1 space per 8,572 SF	12	1 space per 8,572 SF
1455 Research Dr.	145,800 SF	133	30	1 space per 4,860 SF	30	1 space per 4,860 SF
Average Observed Parking Rate[1]			**1 space per 5,377 SF**			
Highest Observed Parking Rate[2]			**1 space per 2,660 SF**			

Notes: Based on parking surveys conducted in 2021 and 2023.
1 Average observed parking rate is based on the averaging the highest day of parking demand of the four observed sites.
2 Highest observed parking rate is based on the highest day of parking demand of the four observed sites.

Based on Table 3, the highest day of observed parking demand at the 1295 Central Avenue warehouse was Tuesday, February 2, 2021, with a peak demand of 112 spaces at 8:15 a.m. This resulted in a peak parking demand rate of 1 space per 2,660 SF. The lowest day of observed parking demand was at the 550 S. Campus Avenue warehouse, with a peak demand of 12 spaces at 11:00 a.m. This resulted in a peak parking demand rate of 1 space per 8,572 SF. Therefore, the average observed parking rate is 1 space per 5,377 SF, and the highest observed parking rate is 1 space per 2,660 SF over the course of both days.

Project Parking Demand

Based on the average observed parking rate of 1 space per 5,377 SF determined from the parking analysis of the four surveyed warehouses, the proposed 173,976 SF warehouse would have a peak parking demand of 33 spaces (173,976 SF ÷ 5,377 SF = 33 spaces). Additionally, the highest parking demand was also calculated to provide a conservative analysis. Using the highest observed parking rate of 1 space per 2,660 SF, the proposed 173,976 SF warehouse would have a peak parking demand of 66 spaces (173,976 SF ÷ 2,660 SF = 66 spaces). These estimates are provided in Table 4 below.

Table 4. Parking Requirements per Observed Rates

Land Use	Size	Observed Parking Rates	Parking Requirement
Warehouse	176,066 SF	1 space per 5,377 SF of floor area[1]	33 spaces
		1 space per 2,660 SF of floor area[2]	66 spaces

Notes: SF = square foot
1 Based on the average observed parking rate noted in Table 3.
2 Based on the highest observed parking rate noted in Table 3.

The proposed project would provide a parking supply of 79 spaces; therefore, assuming the conservative peak parking demand rate of 1 space per 2,660 SF, the project's projected parking demand of 66 spaces would be adequately accommodated within the proposed supply, with a residual of 13 spaces (79 spaces – 66 spaces).

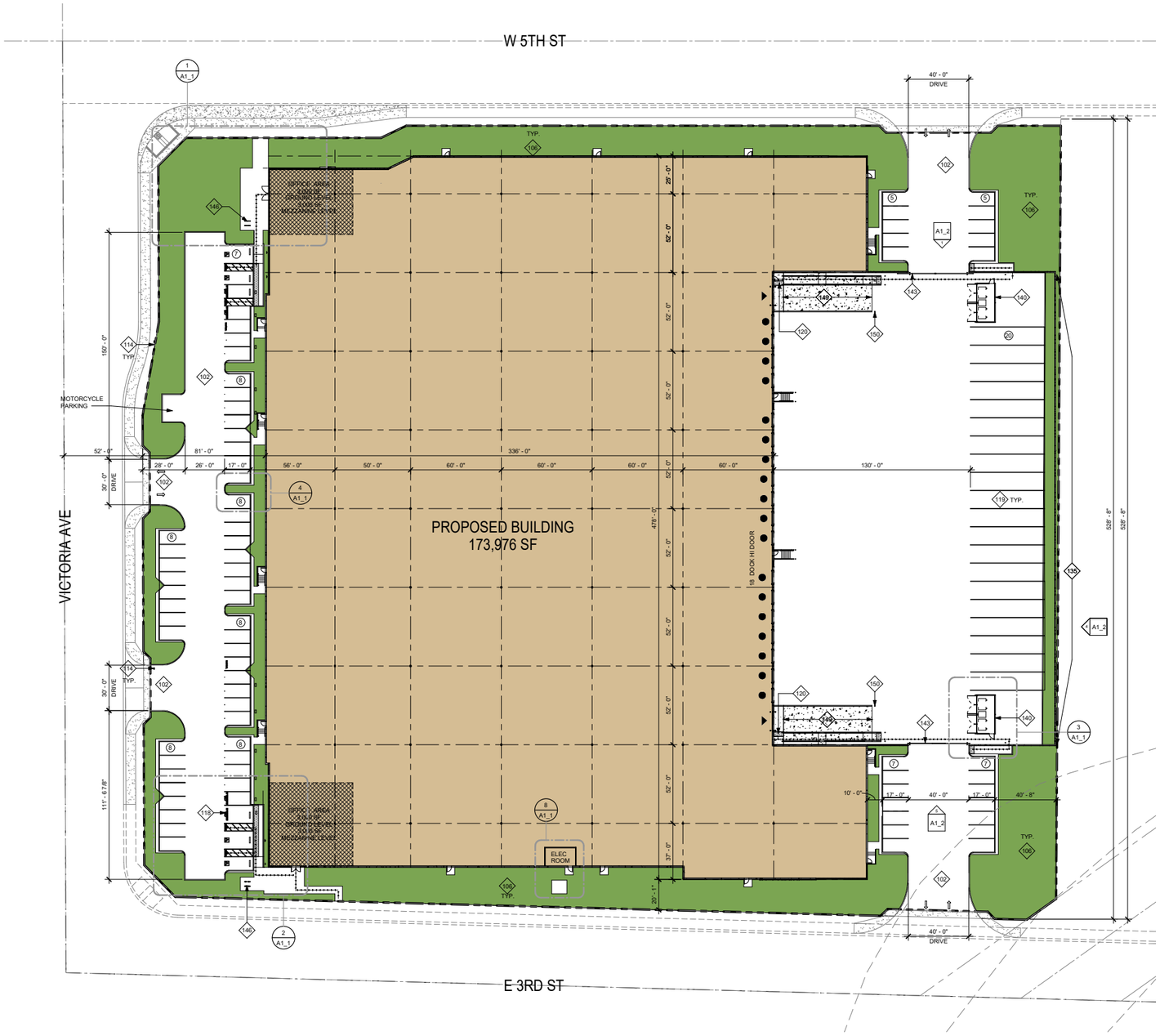
Conclusions

Based on the parking surveys and analysis discussed above, the following conclusions are made for the proposed 5th Street and Victoria Avenue warehouse project:

- Based on the City of Highland Municipal Code parking requirements, the project would require a total of 209 parking spaces.
- Based on the highest observed parking rate of 1 space per 2,660 SF determined from the parking surveys of two existing warehouses near the project site, the proposed 173,976 SF warehouse would have a peak parking demand of 66 spaces (173,976 SF ÷ 2,660 SF = 66 spaces).
- The project's proposed supply of 79 parking spaces can adequately accommodate its forecast parking demand of 66 spaces (based on the highest peak observed parking rate).

Attachment A

Site Plan



1 PROPOSED SITE PLAN
1" = 30'-0"

DEVELOPER/OWNER

ADDRESS
CONTACT:
PHONE: XXX.XXX.XXXX
EMAIL:

APPLICANT'S REPRESENTATIVE/ARCHITECT

HERDMAN ARCHITECTURE & DESIGN, INC.
100 BAYVIEW CIRCLE SUITE 100
NEWPORT BEACH, CA 92660
CONTACT: BRIDGET HERDMAN
PHONE: 714.389.2800
EMAIL: PROJECTADMIN@HERDMAN-AD.COM

SCOPE OF WORK

CONSTRUCT NEW ONE STORY + MEZZANINE CONCRETE TILT-UP WAREHOUSE/DISTRIBUTION FACILITY WITH ELECTRICAL AND PLUMBING SERVICES, EXTERIOR LIGHTING, LANDCAPING & IRRIGATION, TRASH ENCLOSURES, CONCRETE SCREEN WALLS, AND SLIDING/SWINGING METAL GATES. FIRE SPRINKLER AND GRADING PLANS TO BE A SEPARATE SUBMITTAL AND PERMIT

LEGAL DESCRIPTION & ZONING

LEGAL DESCRIPTION: SEE CIVIL PLANS

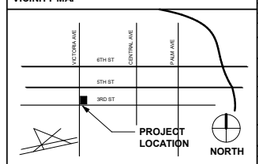
ASSESSOR'S PARCEL NO: SEE CIVIL PLANS

ZONING: BP (BUSINESS PARK)

SHEET INDEX

A0 TITLE SHEET
A1 SITE PLAN
A1_1 ENLARGED SITE PLANS
A1_2 GATE & FENCE ELEVATIONS
A1_3 SITE WALL PLAN
A2 GROUND LEVEL FLOOR PLANS
A3 EXTERIOR ELEVATIONS
C1 CONCEPTUAL GRADING PLAN
T2 TENTATIVE PARCEL MAP
L1 CONCEPTUAL LANDSCAPE PLAN
FC-1.0 PHOTOMETRIC PLAN

VICINITY MAP



SITE PLAN GENERAL NOTES

1. THE SITE PLAN SHALL MEET ALL ENGINEERING & NPDES REQUIREMENTS.
2. GENERAL CONTRACTOR TO REVIEW THE SOILS REPORT AND ALL AMENDMENTS LISTED ON THE TITLE SHEET AND FOLLOW ALL RECOMMENDATIONS.
3. U.O.N., ALL DIMENSIONS TO CONCRETE WALLS AND CURBS ARE EITHER TO THE CENTER (SHOWN WITH A CENTERLINE) OR FACE OF THE WALL OR CURB. ALL DIMENSIONS TO FRAMED WALLS ARE EITHER TO THE CENTER LINE OF THE WALL FRAMING (SHOWN WITH A CENTERLINE) OR THE FACE OF THE WALL FINISH.
4. REFER TO CIVIL AND MEP PLANS TO CONFIRM UTILITY INFORMATION SHOWN ON THE ARCHITECT'S SITE PLAN AND FOR ADDITIONAL UTILITY INFORMATION. GENERAL CONTRACTOR TO COORDINATE ALL POINTS OF CONNECTION.
5. REFER TO CIVIL DRAWINGS FOR ALL FINISHED GRADES AND SLOPES. ALL FINISHED GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING. GENERAL CONTRACTOR TO FIELD VERIFY.
6. ALL ACCESSIBLE ROUTES IDENTIFIED ON THE SITE PLAN DRAWINGS SHALL CONFORM TO THE FOLLOWING:
   a) SLOPES IN THE DIRECTION OF TRAVEL DO NOT EXCEED 5%. CROSS SLOPES DO NOT EXCEED 2%.
   b) THE CLEAR WIDTH OF ALL WALKWAYS IS 4'-0" MIN.
   c) CHANGES IN LEVEL UP TO 1/2" COMPLY w/ 11A\D2.1. CHANGES IN LEVEL GREATER THAN 1/2" IF THEY OCCUR ARE RAMPED. SEE PLANS.
   d) THE VERTICAL CLEARANCE ALONG THE ACCESSIBLE ROUTE IS 80" MIN.
7. ALL PAVED AND LANDSCAPED AREAS TO BE BOUND BY A MIN. 6" HIGH, 4" WIDE CONCRETE CURB U.O.N.
8. A CONCRETE MOW STRIP EXTENDING 12" BEYOND EA END OF THE OPENING SHALL BE PROVIDED @ ALL EXTERIOR GLAZING WHERE THE SILL IS WITHIN 3' VERTICAL OF THE FINISHED GRADE. SEE 2/AD1.1
10. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY UTILITY COMPANIES AND OR FIRE AUTHORITIES AT ALL EXTERIOR ELECTRICAL EQUIPMENT AND FIRE PREVENTION DEVICES. IF PIPE BOLLARD PROTECTION POST DETAILS ARE NOT PROVIDED BY UTILITY COMPANIES AND OR FIRE AUTHORITY SEE DETAIL 3/AD1.1
11. ALL EXPOSED BIORETENSION DEVICE COVERINGS SHALL BE PAINTED FOREST GREEN.
12. WHERE OCCURS, GENERAL CONTRACTOR TO PROVIDE FLUID APPLIED DAMP PROOFING AT ALL RETAINING AND PLANTER WALLS WHERE THE SIDE OF THE WALL OPPOSITE THE SOIL SIDE IS EXPOSED TO VIEW AND ALL EXTERIOR WALLS WHERE THE ADJACENT FLOOR SLAB IS BELOW GRADE. SEE 6/AD1.2
13. PROVIDE A HOSE BIB NEAR THE MAIN ENTRANCE AND IN THE TRASH ENCLOSURE. SEE PLAN FOR LOCATION.

KEYNOTES

102	PROPOSED DRIVEWAY, PER JURISDICTIONAL STANDARDS.
106	@ SHADING, PROPOSED LANDSCAPING. SEE LANDSCAPE PLANS.
114	ACCESSIBLE SITE ENTRANCE SIGN.
118	FUTURE VAN ACCESSIBLE EV CHARGING ONLY PARKING STALL. 12'-0" WIDE x DEPTH OF STANDARD STALL. PROVIDE FOR FUTURE INSTALLATION OF CHARGING EQUIPMENT.
119	TRUCK TRAILER PARKING STALL.
120	TRUNCATED DOME DETECTABLE WARNING SURFACE. MIN 3'-0" DEEP IN THE DIRECTION OF TRAVEL.
135	CONCRETE TILT-UP SCREEN WALL. MIN HEIGHT 8'ABOVE HIGHEST ADJACENT FINISHED GRADE. PAINT BOTH SIDES AND TOP OF WALL. SEE PLANS FOR COLOR SCHEDULE.
140	TRASH ENCLOSURE w/ ROOF COVERING.
143	PAINTED STEEL ROLLING GATE(S). MIN HEIGHT 8' ABOVE HIGHEST ADJACENT FINISHED GRADE OR AS SHOWN ON EXTERIOR ELEVATIONS. PROVIDE KNOX BOX AS REQUIRED BY FIRE AUTHORITY.
146	2 POSITION BIKE RACK.
149	CONCRETE TRUCK RAMP w/ 42" HIGH CONCRETE TILT-UP GUARD ON OPEN SIDE(S). PAINT ALL SIDES OF GUARD WALLS AND HANDRAILS.SEE ARCHITECTURAL DRAWINGS FOR COLOR SCHEDULE.
150	STEEL PIPE BOLLARD PROTECTION POST.

LOT AREA

SQUARE FOOTAGE	ACRES
308313 SF	7.08

FLOOR AREA RATIO

BUILDING AREA	SITE AREA	FAR ALLOWABLE	FAR PROVIDED
173976 SF	314750 SF	60%	55.3%

BUILDING AREA SUMMARY

NAME	AREA
GROUND FLOOR	
WAREHOUSE	161976 SF
OFFICE	6000 SF
	167976 SF
MEZZANINE	
OFFICE	6000 SF
	6000 SF
GROUND LEVEL + MEZZANINE	
WAREHOUSE	161976 SF
OFFICE	12000 SF
TOTAL BUILDING AREA	173976 SF

LANDSCAPE AREA SUMMARY

LOT AREA	% LANDSCAPING REQUIRED	AREA LANDSCAPING PROVIDED	% LANDSCAPING PROVIDED
314755 SF	0%	51194 SF	16.3%

TOTAL PARKING REQUIRED

BUILDING USE	BUILDING AREA	PARKING RATIO 1/X	REQ. PARKING
OFFICE	12000 SF	250	48
WAREHOUSE	161976 SF	1000	162
TOTAL	173976 SF		210

REQUIRED PARKING BREAKDOWN

SPACE TYPE	SPACES REQUIRED
STANDARD STALLS	163
STANDARD ACCESSIBLE STALLS	5
VAN ACCESSIBLE STALLS	2
FUTURE EV CHARGING ONLY STALLS	32
EV CHARGING ONLY STALLS	9
EV CHARGING ONLY STANDARD ACCESSIBLE STALLS	1
EV CHARGING ONLY VAN ACCESSIBLE STALLS	1
TOTAL	213

PARKING PROVIDED

SPACE TYPE	SPACES PROVIDED
STANDARD STALLS	56
STANDARD ACCESSIBLE STALLS	2
VAN ACCESSIBLE STALLS	2
VANPOOL	1
EV CHARGING ONLY STALLS	2
FUTURE EV CHARGING ONLY STALLS	14
EV CHARGING ONLY STANDARD ACCESSIBLE STALLS	1
EV CHARGING ONLY VAN ACCESSIBLE STALLS	1
TOTAL	79

TRAILER PARKING REQUIRED NO. CITY REQ.	TRAILER PARKING PROVIDED
0	20

SITE LEGEND

- LANDSCAPE AREA
- CONCRETE PAVING. SEE CIVIL DRAWINGS FOR PAVING SECTIONS
- FIRE HYDRANT. PROVIDE PIPE BOLLARD PROTECTION POSTS AS REQUIRED BY THE FIRE AUTHORITY. SEE 3/AD1.1
- STREET LIGHT
- INDICATES AN ACCESSIBLE ROUTE. MUST COMPLY w/ SITE PLAN GENERAL NOTE #6
- PROPERTY LINE
- DOCK HIGH DOOR
- DRIVE THRU. DOOR

PROJECT
PATRIOT PARTNERS 5TH AND VICTORIA
HIGHLAND, CA
1st PLANNING SUBMITTAL

HERDMAN
ARCHITECTURE + DESIGN
A22-2140
03.16.2023

SITE PLAN

NORTH

A1

3/20/2023 4:13:29 PM

Attachment B

Parking Ratios at Other Patriot Developments

Ratio of Parking Provided to Square Footage at Other Patriot Warehouses

Project Name	Jurisdiction	Status	Size (SF)	Parking Provided (Spaces)	Ratio (Provided Spaces/TSF)	Parking Required[1] (Spaces)	Ratio (Required Spaces/TSF)
6th & Center	Rancho Cucamonga	Operational	117,293	92	0.784	50	0.426
Banana/Rose	Fontana	Approved	159,115	115	0.723	54	0.338
Willow	Fontana	Approved	160,834	149	0.926	51	0.337
Almond Avenue	Fontana	Approved	146,864	90	0.613	51	0.350
Palmetto Avenue	Fontana	Approved	90,620	82	0.905	40	0.350
Washington/ Live Oak	Fontana	In review; parking ratios accepted	176,987	96	0.542	57	0.443
Perris/Morgan	Perris	In review; parking ratios accepted	284,753	254	0.892	152	0.324
Heacock/ Krameria	Moreno Valley	In review; parking ratios accepted	99,486	72	0.724	45	0.535
			Average Ratio for Other Patriot Projects		*0.764*		*0.401*
6th Street/ Victoria Avenue	Highland	In review	307,445	129	0.420	308	1.098

Notes: SF = square foot; TSF = thousand square feet

[1] Parking required by total building square footage (i.e. parking required is based on warehousing land use; office space is not separated out).

Attachment C

Driveway Counts and Parking Demand Worksheets

1295 Central Avenue (Fender Warehouse)

TOTAL (both driveways)

TIME	Tuesday, February 2, 2021 Cars In	Cars Out	TIME	Wednesday, February 3, 2021 Cars In	Cars Out
12:00 AM	0	1	12:00 AM	0	0
12:15 AM	0	0	12:15 AM	0	0
12:30 AM	1	4	12:30 AM	0	2
12:45 AM	1	1	12:45 AM	1	4
1:00 AM	0	11	1:00 AM	2	17
1:15 AM	0	1	1:15 AM	0	4
1:30 AM	0	2	1:30 AM	0	1
1:45 AM	0	0	1:45 AM	0	0
2:00 AM	0	0	2:00 AM	1	0
2:15 AM	0	12	2:15 AM	1	1
2:30 AM	0	1	2:30 AM	1	1
2:45 AM	1	0	2:45 AM	1	0
3:00 AM	1	0	3:00 AM	2	2
3:15 AM	0	0	3:15 AM	0	2
3:30 AM	0	0	3:30 AM	0	0
3:45 AM	3	1	3:45 AM	1	0
4:00 AM	1	0	4:00 AM	2	0
4:15 AM	7	0	4:15 AM	5	0
4:30 AM	16	2	4:30 AM	12	1
4:45 AM	26	1	4:45 AM	32	2
5:00 AM	5	0	5:00 AM	5	0
5:15 AM	4	0	5:15 AM	4	0
5:30 AM	7	0	5:30 AM	6	1
5:45 AM	30	1	5:45 AM	25	1
6:00 AM	3	0	6:00 AM	13	2
6:15 AM	1	0	6:15 AM	1	0
6:30 AM	1	0	6:30 AM	1	0
6:45 AM	3	1	6:45 AM	3	0
7:00 AM	1	2	7:00 AM	3	2
7:15 AM	2	1	7:15 AM	1	2
7:30 AM	5	1	7:30 AM	0	1
7:45 AM	3	1	7:45 AM	2	0
8:00 AM	0	0	8:00 AM	3	1
8:15 AM	2	0	8:15 AM	3	0
8:30 AM	0	1	8:30 AM	2	2
8:45 AM	1	1	8:45 AM	2	1
9:00 AM	0	3	9:00 AM	0	0
9:15 AM	0	1	9:15 AM	0	7
9:30 AM	1	3	9:30 AM	4	3
9:45 AM	5	4	9:45 AM	4	5
10:00 AM	1	0	10:00 AM	4	2
10:15 AM	2	0	10:15 AM	2	0
10:30 AM	4	5	10:30 AM	2	4
10:45 AM	2	2	10:45 AM	7	3
11:00 AM	1	1	11:00 AM	1	4
11:15 AM	0	2	11:15 AM	2	1
11:30 AM	0	2	11:30 AM	1	5
11:45 AM	1	2	11:45 AM	1	0
12:00 PM	2	2	12:00 PM	3	1
12:15 PM	0	0	12:15 PM	1	2
12:30 PM	0	0	12:30 PM	1	2
12:45 PM	2	2	12:45 PM	1	0
1:00 PM	0	1	1:00 PM	0	3
1:15 PM	4	2	1:15 PM	2	0
1:30 PM	3	12	1:30 PM	2	5
1:45 PM	5	2	1:45 PM	7	5
2:00 PM	1	2	2:00 PM	0	2
2:15 PM	3	8	2:15 PM	3	7
2:30 PM	4	33	2:30 PM	3	40
2:45 PM	6	4	2:45 PM	2	11
3:00 PM	5	14	3:00 PM	4	15
3:15 PM	7	2	3:15 PM	11	5
3:30 PM	2	8	3:30 PM	1	7
3:45 PM	1	9	3:45 PM	0	3
4:00 PM	1	3	4:00 PM	2	4
4:15 PM	0	3	4:15 PM	0	2
4:30 PM	0	1	4:30 PM	1	3
4:45 PM	0	3	4:45 PM	0	1
5:00 PM	0	1	5:00 PM	0	1
5:15 PM	0	0	5:15 PM	0	0
5:30 PM	0	0	5:30 PM	0	1
5:45 PM	0	0	5:45 PM	1	0
6:00 PM	0	0	6:00 PM	0	2
6:15 PM	0	1	6:15 PM	0	3
6:30 PM	4	4	6:30 PM	0	1
6:45 PM	2	0	6:45 PM	1	1
7:00 PM	0	2	7:00 PM	1	2
7:15 PM	0	1	7:15 PM	1	1
7:30 PM	1	1	7:30 PM	0	0
7:45 PM	0	0	7:45 PM	1	1
8:00 PM	4	7	8:00 PM	3	7
8:15 PM	2	1	8:15 PM	3	0
8:30 PM	3	1	8:30 PM	0	0
8:45 PM	1	0	8:45 PM	1	0
9:00 PM	0	1	9:00 PM	2	2
9:15 PM	1	1	9:15 PM	0	1
9:30 PM	1	1	9:30 PM	1	1
9:45 PM	0	0	9:45 PM	0	0
10:00 PM	1	0	10:00 PM	0	0
10:15 PM	0	0	10:15 PM	0	0
10:30 PM	0	0	10:30 PM	0	2
10:45 PM	0	1	10:45 PM	0	3
11:00 PM	0	2	11:00 PM	1	0
11:15 PM	0	1	11:15 PM	0	1
11:30 PM	0	0	11:30 PM	0	0
11:45 PM	0	2	11:45 PM	0	0
Totals	***208***	***210***	**Totals**	***223***	***232***

Parking Occupany & Demand Estimates (all driveways)

TIME	Tuesday, February 2, 2021 Cars In	Cars Out	Parking Occupied	TIME	Wednesday, February 3, 2021 Cars In	Cars Out	Parking Occupied
12:00 AM	0	1	31	12:00 AM	0	0	26
12:15 AM	0	0	31	12:15 AM	0	0	26
12:30 AM	1	4	28	12:30 AM	0	2	24
12:45 AM	1	1	28	12:45 AM	1	4	21
1:00 AM	0	11	17	1:00 AM	2	17	6
1:15 AM	0	1	16	1:15 AM	0	4	2
1:30 AM	0	2	14	1:30 AM	0	1	1
1:45 AM	0	0	14	1:45 AM	0	0	1
2:00 AM	0	0	14	2:00 AM	1	0	2
2:15 AM	0	12	2	2:15 AM	1	1	2
2:30 AM	0	1	1	2:30 AM	1	1	2
2:45 AM	1	0	2	2:45 AM	1	0	3
3:00 AM	1	0	3	3:00 AM	2	2	3
3:15 AM	0	0	3	3:15 AM	0	2	1
3:30 AM	0	0	3	3:30 AM	0	0	1
3:45 AM	3	1	5	3:45 AM	1	0	2
4:00 AM	1	0	6	4:00 AM	2	0	4
4:15 AM	7	0	13	4:15 AM	5	0	9
4:30 AM	16	2	27	4:30 AM	12	1	20
4:45 AM	26	1	52	4:45 AM	32	2	50
5:00 AM	5	0	57	5:00 AM	5	0	55
5:15 AM	4	0	61	5:15 AM	4	0	59
5:30 AM	7	0	68	5:30 AM	6	1	64
5:45 AM	30	1	97	5:45 AM	25	1	88
6:00 AM	3	0	100	6:00 AM	13	2	99
6:15 AM	1	0	101	6:15 AM	1	0	100
6:30 AM	1	0	102	6:30 AM	1	0	101
6:45 AM	3	1	104	6:45 AM	3	0	104
7:00 AM	1	2	103	7:00 AM	3	2	105
7:15 AM	2	1	104	7:15 AM	1	2	104
7:30 AM	5	1	108	7:30 AM	0	1	103
7:45 AM	3	1	110	7:45 AM	2	0	105
8:00 AM	0	0	110	8:00 AM	3	1	107
8:15 AM	2	0	**112**	8:15 AM	3	0	110
8:30 AM	0	1	111	8:30 AM	2	2	110
8:45 AM	1	1	111	8:45 AM	2	1	**111**
9:00 AM	0	3	108	9:00 AM	0	0	**111**
9:15 AM	0	1	107	9:15 AM	0	7	104
9:30 AM	1	3	105	9:30 AM	4	3	105
9:45 AM	5	4	106	9:45 AM	4	5	104
10:00 AM	1	0	107	10:00 AM	4	2	106
10:15 AM	2	0	109	10:15 AM	2	0	108
10:30 AM	4	5	108	10:30 AM	2	4	106
10:45 AM	2	2	108	10:45 AM	7	3	110
11:00 AM	1	1	108	11:00 AM	1	4	107
11:15 AM	0	2	106	11:15 AM	2	1	108
11:30 AM	0	2	104	11:30 AM	1	5	104
11:45 AM	1	2	103	11:45 AM	1	0	105
12:00 PM	2	2	103	12:00 PM	3	1	107
12:15 PM	0	0	103	12:15 PM	1	2	106
12:30 PM	0	0	103	12:30 PM	1	2	105
12:45 PM	2	2	103	12:45 PM	1	0	106
1:00 PM	0	1	102	1:00 PM	0	3	103
1:15 PM	4	2	104	1:15 PM	2	0	105
1:30 PM	3	12	95	1:30 PM	2	5	102
1:45 PM	5	2	98	1:45 PM	7	5	104
2:00 PM	1	2	97	2:00 PM	0	2	102
2:15 PM	3	8	92	2:15 PM	3	7	98
2:30 PM	4	33	63	2:30 PM	3	40	61
2:45 PM	6	4	65	2:45 PM	2	11	52
3:00 PM	5	14	56	3:00 PM	4	15	41
3:15 PM	7	2	61	3:15 PM	11	5	47
3:30 PM	2	8	55	3:30 PM	1	7	41
3:45 PM	1	9	47	3:45 PM	0	3	38
4:00 PM	1	3	45	4:00 PM	2	4	36
4:15 PM	0	3	42	4:15 PM	0	2	34
4:30 PM	0	1	41	4:30 PM	1	3	32
4:45 PM	0	3	38	4:45 PM	0	1	31
5:00 PM	0	1	37	5:00 PM	0	1	30
5:15 PM	0	0	37	5:15 PM	0	0	30
5:30 PM	0	0	37	5:30 PM	0	1	29
5:45 PM	0	0	37	5:45 PM	1	0	30
6:00 PM	0	0	37	6:00 PM	0	2	28
6:15 PM	0	1	36	6:15 PM	0	3	25
6:30 PM	4	4	36	6:30 PM	0	1	24
6:45 PM	2	0	38	6:45 PM	1	1	24
7:00 PM	0	2	36	7:00 PM	1	2	23
7:15 PM	0	1	35	7:15 PM	1	1	23
7:30 PM	1	1	35	7:30 PM	0	0	23
7:45 PM	0	0	35	7:45 PM	1	1	23
8:00 PM	4	7	32	8:00 PM	3	7	19
8:15 PM	2	1	33	8:15 PM	3	0	22
8:30 PM	3	1	35	8:30 PM	0	0	22
8:45 PM	1	0	36	8:45 PM	1	0	23
9:00 PM	0	1	35	9:00 PM	2	2	23
9:15 PM	1	1	35	9:15 PM	0	1	22
9:30 PM	1	1	35	9:30 PM	1	1	22
9:45 PM	0	0	35	9:45 PM	0	0	22
10:00 PM	1	0	36	10:00 PM	0	0	22
10:15 PM	0	0	36	10:15 PM	0	0	22
10:30 PM	0	0	36	10:30 PM	0	2	20
10:45 PM	0	1	35	10:45 PM	0	3	17
11:00 PM	0	2	33	11:00 PM	1	0	18
11:15 PM	0	1	32	11:15 PM	0	1	17
11:30 PM	0	0	32	11:30 PM	0	0	17
11:45 PM	0	2	30	11:45 PM	0	0	17
Totals	***208***	***210***		**Totals**	***223***	***232***	

Parking Occupancy Assumptions

Total Spaces		*197*
Survey Date	*2/2/2021*	*2/3/2021*
*% Spaces Occupied at 12AM**	*16%*	*13%*
# Spaces Occupied at 12AM	*32*	*26*

** An estimate of the number of spaces occupied at the beginning of the study must be determined to approximate parking demand. % Spaces occupied at 12AM is estimated assuming that parking occupancy must not fall below 0 at any time during the study period.*

Peak Parking Demand over two-day period
112

Fender Warehouse

297,860 SF

Tuesday, February 2, 2021		Wednesday, February 3, 2021	
Peak Demand (Spaces)	Observed Parking Rate	Peak Demand (Spaces)	Observed Parking Rate
112	**1 space per 2660 SF**	111	1 space per 2684 SF
2,660		*2,684*	

27081 Almond Avenue (2AM Logistics BMW Parts Distribution Center)

TOTAL (all driveways)

Tuesday, February 2, 2021			Wednesday, February 3, 2021		
TIME	Cars		TIME	Cars	
	In	Out		In	Out
12:00 AM	0	0	12:00 AM	0	0
12:15 AM	0	0	12:15 AM	0	0
12:30 AM	0	0	12:30 AM	0	0
12:45 AM	0	0	12:45 AM	0	0
1:00 AM	0	0	1:00 AM	0	0
1:15 AM	0	0	1:15 AM	0	0
1:30 AM	0	0	1:30 AM	0	0
1:45 AM	1	0	1:45 AM	0	0
2:00 AM	1	0	2:00 AM	2	0
2:15 AM	0	0	2:15 AM	0	0
2:30 AM	1	0	2:30 AM	2	0
2:45 AM	0	0	2:45 AM	1	1
3:00 AM	1	0	3:00 AM	1	1
3:15 AM	8	0	3:15 AM	8	1
3:30 AM	15	0	3:30 AM	8	0
3:45 AM	18	0	3:45 AM	19	0
4:00 AM	3	0	4:00 AM	3	0
4:15 AM	1	0	4:15 AM	1	0
4:30 AM	0	0	4:30 AM	1	0
4:45 AM	1	0	4:45 AM	0	1
5:00 AM	0	1	5:00 AM	0	0
5:15 AM	0	0	5:15 AM	0	0
5:30 AM	0	0	5:30 AM	0	1
5:45 AM	0	0	5:45 AM	2	1
6:00 AM	0	0	6:00 AM	1	1
6:15 AM	0	0	6:15 AM	2	0
6:30 AM	0	2	6:30 AM	0	0
6:45 AM	2	1	6:45 AM	1	1
7:00 AM	2	1	7:00 AM	0	0
7:15 AM	1	1	7:15 AM	2	1
7:30 AM	0	0	7:30 AM	1	1
7:45 AM	0	0	7:45 AM	1	1
8:00 AM	3	1	8:00 AM	1	3
8:15 AM	1	4	8:15 AM	3	1
8:30 AM	2	2	8:30 AM	0	3
8:45 AM	0	1	8:45 AM	1	2
9:00 AM	2	5	9:00 AM	0	0
9:15 AM	2	2	9:15 AM	0	2
9:30 AM	0	0	9:30 AM	1	2
9:45 AM	1	2	9:45 AM	2	2
10:00 AM	1	1	10:00 AM	0	2
10:15 AM	0	0	10:15 AM	1	0
10:30 AM	1	1	10:30 AM	0	1
10:45 AM	3	4	10:45 AM	3	3
11:00 AM	1	2	11:00 AM	0	1
11:15 AM	0	0	11:15 AM	1	0
11:30 AM	1	2	11:30 AM	1	5
11:45 AM	2	1	11:45 AM	1	0
12:00 PM	1	1	12:00 PM	1	1
12:15 PM	0	3	12:15 PM	0	3
12:30 PM	19	46	12:30 PM	8	39
12:45 PM	23	1	12:45 PM	30	1
1:00 PM	3	1	1:00 PM	2	0
1:15 PM	0	0	1:15 PM	2	0
1:30 PM	1	2	1:30 PM	0	3
1:45 PM	0	0	1:45 PM	0	0
2:00 PM	1	0	2:00 PM	0	1
2:15 PM	0	1	2:15 PM	0	0
2:30 PM	0	3	2:30 PM	0	0
2:45 PM	1	0	2:45 PM	0	0
3:00 PM	0	0	3:00 PM	0	0
3:15 PM	1	1	3:15 PM	1	0
3:30 PM	0	0	3:30 PM	1	0
3:45 PM	2	0	3:45 PM	2	2
4:00 PM	0	1	4:00 PM	1	2
4:15 PM	0	0	4:15 PM	0	0
4:30 PM	0	0	4:30 PM	0	0
4:45 PM	1	2	4:45 PM	1	1
5:00 PM	2	3	5:00 PM	1	3
5:15 PM	2	1	5:15 PM	2	3
5:30 PM	2	3	5:30 PM	4	3
5:45 PM	2	2	5:45 PM	3	0
6:00 PM	2	0	6:00 PM	0	1
6:15 PM	0	2	6:15 PM	0	0
6:30 PM	1	0	6:30 PM	0	0
6:45 PM	0	0	6:45 PM	0	0
7:00 PM	1	2	7:00 PM	0	0
7:15 PM	1	0	7:15 PM	0	0
7:30 PM	3	1	7:30 PM	4	0
7:45 PM	0	0	7:45 PM	1	0
8:00 PM	1	0	8:00 PM	0	1
8:15 PM	1	0	8:15 PM	1	0
8:30 PM	1	0	8:30 PM	2	0
8:45 PM	1	2	8:45 PM	1	1
9:00 PM	0	2	9:00 PM	2	1
9:15 PM	0	2	9:15 PM	0	6
9:30 PM	0	34	9:30 PM	0	34
9:45 PM	0	1	9:45 PM	1	1
10:00 PM	1	0	10:00 PM	0	0
10:15 PM	0	0	10:15 PM	0	0
10:30 PM	0	0	10:30 PM	0	0
10:45 PM	0	0	10:45 PM	0	0
11:00 PM	0	0	11:00 PM	0	0
11:15 PM	0	0	11:15 PM	0	0
11:30 PM	0	0	11:30 PM	0	0
11:45 PM	0	0	11:45 PM	0	0
Totals	149	151	Totals	142	145

Parking Occupany & Demand Estimates (all driveways)

Tuesday, February 2, 2021				Wednesday, February 3, 2021			
TIME	Cars			TIME	Cars		
	In	Out	Parking Occupied		In	Out	Parking Occupied
12:00 AM	0	0	4	12:00 AM	0	0	4
12:15 AM	0	0	4	12:15 AM	0	0	4
12:30 AM	0	0	4	12:30 AM	0	0	4
12:45 AM	0	0	4	12:45 AM	0	0	4
1:00 AM	0	0	4	1:00 AM	0	0	4
1:15 AM	0	0	4	1:15 AM	0	0	4
1:30 AM	0	0	4	1:30 AM	0	0	4
1:45 AM	1	0	5	1:45 AM	0	0	4
2:00 AM	1	0	6	2:00 AM	2	0	6
2:15 AM	0	0	6	2:15 AM	0	0	6
2:30 AM	1	0	7	2:30 AM	2	0	8
2:45 AM	0	0	7	2:45 AM	1	1	8
3:00 AM	1	0	8	3:00 AM	1	1	8
3:15 AM	8	0	16	3:15 AM	8	1	15
3:30 AM	15	0	31	3:30 AM	8	0	23
3:45 AM	18	0	49	3:45 AM	19	0	42
4:00 AM	3	0	52	4:00 AM	3	0	45
4:15 AM	1	0	53	4:15 AM	1	0	46
4:30 AM	0	0	53	4:30 AM	1	0	47
4:45 AM	1	0	54	4:45 AM	0	1	46
5:00 AM	0	1	53	5:00 AM	0	0	46
5:15 AM	0	0	53	5:15 AM	0	0	46
5:30 AM	0	0	53	5:30 AM	0	1	45
5:45 AM	0	0	53	5:45 AM	2	1	46
6:00 AM	0	0	53	6:00 AM	1	1	46
6:15 AM	0	0	53	6:15 AM	2	0	48
6:30 AM	0	2	51	6:30 AM	0	0	48
6:45 AM	2	1	52	6:45 AM	1	1	48
7:00 AM	2	1	53	7:00 AM	0	0	48
7:15 AM	1	1	53	7:15 AM	2	1	**49**
7:30 AM	0	0	53	7:30 AM	1	1	**49**
7:45 AM	0	0	53	7:45 AM	1	1	**49**
8:00 AM	3	1	**55**	8:00 AM	1	3	47
8:15 AM	1	4	52	8:15 AM	3	1	**49**
8:30 AM	2	2	52	8:30 AM	0	3	46
8:45 AM	0	1	51	8:45 AM	1	2	45
9:00 AM	2	5	48	9:00 AM	0	0	45
9:15 AM	2	2	48	9:15 AM	0	2	43
9:30 AM	0	0	48	9:30 AM	1	2	42
9:45 AM	1	2	47	9:45 AM	2	2	42
10:00 AM	1	1	47	10:00 AM	0	2	40
10:15 AM	0	0	47	10:15 AM	1	0	41
10:30 AM	1	1	47	10:30 AM	0	1	40
10:45 AM	3	4	46	10:45 AM	3	3	40
11:00 AM	1	2	45	11:00 AM	0	1	39
11:15 AM	0	0	45	11:15 AM	1	0	40
11:30 AM	1	2	44	11:30 AM	1	5	36
11:45 AM	2	1	45	11:45 AM	1	0	37
12:00 PM	1	1	45	12:00 PM	1	1	37
12:15 PM	0	3	42	12:15 PM	0	3	34
12:30 PM	19	46	15	12:30 PM	8	39	3
12:45 PM	23	1	37	12:45 PM	30	1	32
1:00 PM	3	1	39	1:00 PM	2	0	34
1:15 PM	0	0	39	1:15 PM	2	0	36
1:30 PM	1	2	38	1:30 PM	0	3	33
1:45 PM	0	0	38	1:45 PM	0	0	33
2:00 PM	1	0	39	2:00 PM	0	1	32
2:15 PM	0	1	38	2:15 PM	0	0	32
2:30 PM	0	3	35	2:30 PM	0	0	32
2:45 PM	1	0	36	2:45 PM	0	0	32
3:00 PM	0	0	36	3:00 PM	0	0	32
3:15 PM	1	1	36	3:15 PM	1	0	33
3:30 PM	0	0	36	3:30 PM	1	0	34
3:45 PM	2	0	38	3:45 PM	2	2	34
4:00 PM	0	1	37	4:00 PM	1	2	33
4:15 PM	0	0	37	4:15 PM	0	0	33
4:30 PM	0	0	37	4:30 PM	0	0	33
4:45 PM	1	2	36	4:45 PM	1	1	33
5:00 PM	2	3	35	5:00 PM	1	3	31
5:15 PM	2	1	36	5:15 PM	2	3	30
5:30 PM	2	3	35	5:30 PM	4	3	31
5:45 PM	2	2	35	5:45 PM	3	0	34
6:00 PM	2	0	37	6:00 PM	0	1	33
6:15 PM	0	2	35	6:15 PM	0	0	33
6:30 PM	1	0	36	6:30 PM	0	0	33
6:45 PM	0	0	36	6:45 PM	0	0	33
7:00 PM	1	2	35	7:00 PM	0	0	33
7:15 PM	1	0	36	7:15 PM	0	0	33
7:30 PM	3	1	38	7:30 PM	4	0	37
7:45 PM	0	0	38	7:45 PM	1	0	38
8:00 PM	1	0	39	8:00 PM	0	1	37
8:15 PM	1	0	40	8:15 PM	1	0	38
8:30 PM	1	0	41	8:30 PM	2	0	40
8:45 PM	1	2	40	8:45 PM	1	1	40
9:00 PM	0	2	38	9:00 PM	2	1	41
9:15 PM	0	2	36	9:15 PM	0	6	35
9:30 PM	0	34	2	9:30 PM	0	34	1
9:45 PM	0	1	1	9:45 PM	1	1	1
10:00 PM	1	0	2	10:00 PM	0	0	1
10:15 PM	0	0	2	10:15 PM	0	0	1
10:30 PM	0	0	2	10:30 PM	0	0	1
10:45 PM	0	0	2	10:45 PM	0	0	1
11:00 PM	0	0	2	11:00 PM	0	0	1
11:15 PM	0	0	2	11:15 PM	0	0	1
11:30 PM	0	0	2	11:30 PM	0	0	1
11:45 PM	0	0	2	11:45 PM	0	0	1
Totals	149	151		Totals	142	145	

Parking Occupancy Assumptions

Total Spaces	*174*	
Survey Date	*2/2/2021*	*2/3/2021*
*% Spaces Occupied at 12AM**	*2%*	*2%*
# Spaces Occupied at 12AM	*4*	*4*

** An estimate of the number of spaces occupied at the beginning of the study must be determined to approximate parking demand. % Spaces occupied at 12AM is estimated assuming that parking occupancy must not fall below 0 at any time during the study period.*

Max Parking Demand over two-day period
55

2AM Logistics BMW Parts Distribution Center

326,920 SF

Tuesday, February 2, 2021		Wednesday, February 3, 2021	
Peak Demand (Spaces)	Observed Parking Rate	Peak Demand (Spaces)	Observed Parking Rate
55	1 space per 5416 SF	49	1 space per 6079 SF
5,416		6,079	

Parking Study

550 S. Campus Ave. Ontario, CA

TOTAL (all driveways)

TIME	Wednesday, May 24, 2023 Cars IN	Cars OUT	HT IN	HT OUT	TIME	Thursday, May 25, 2023 Cars IN	Cars OUT	HT IN	HT OUT
12:00 AM	0	0	0	0	**12:00 AM**	0	0	0	0
12:15 AM	0	0	0	0	**12:15 AM**	0	0	0	0
12:30 AM	0	0	0	0	**12:30 AM**	0	0	0	0
12:45 AM	0	0	0	0	**12:45 AM**	0	0	0	0
1:00 AM	0	0	0	0	**1:00 AM**	0	0	0	0
1:15 AM	0	0	0	0	**1:15 AM**	0	0	0	0
1:30 AM	0	0	0	0	**1:30 AM**	0	0	0	0
1:45 AM	0	0	0	0	**1:45 AM**	0	0	0	0
2:00 AM	0	0	0	0	**2:00 AM**	0	0	0	0
2:15 AM	0	0	0	0	**2:15 AM**	0	0	0	0
2:30 AM	0	0	0	0	**2:30 AM**	0	0	0	0
2:45 AM	0	0	0	0	**2:45 AM**	0	0	0	0
3:00 AM	0	0	0	0	**3:00 AM**	0	0	0	0
3:15 AM	0	0	0	0	**3:15 AM**	0	0	0	0
3:30 AM	0	0	0	0	**3:30 AM**	0	0	0	0
3:45 AM	0	0	0	0	**3:45 AM**	0	0	0	0
4:00 AM	0	0	0	0	**4:00 AM**	0	0	0	0
4:15 AM	0	0	0	0	**4:15 AM**	0	0	0	0
4:30 AM	0	0	0	0	**4:30 AM**	0	0	0	0
4:45 AM	0	0	0	0	**4:45 AM**	0	0	0	0
5:00 AM	0	0	0	0	**5:00 AM**	0	0	0	0
5:15 AM	0	0	0	0	**5:15 AM**	0	0	0	0
5:30 AM	0	0	0	0	**5:30 AM**	0	0	0	0
5:45 AM	0	0	0	0	**5:45 AM**	0	0	0	0
6:00 AM	0	0	0	0	**6:00 AM**	0	0	0	0
6:15 AM	0	0	0	0	**6:15 AM**	0	0	0	0
6:30 AM	0	0	0	0	**6:30 AM**	0	0	0	0
6:45 AM	0	0	0	0	**6:45 AM**	1	1	0	0
7:00 AM	0	0	0	0	**7:00 AM**	0	0	0	0
7:15 AM	0	0	0	0	**7:15 AM**	0	0	0	0
7:30 AM	0	0	1	1	**7:30 AM**	0	0	0	0
7:45 AM	2	0	0	0	**7:45 AM**	2	0	0	0
8:00 AM	3	0	0	0	**8:00 AM**	1	0	0	0
8:15 AM	3	0	0	0	**8:15 AM**	4	1	0	0
8:30 AM	3	2	1	0	**8:30 AM**	2	0	0	0
8:45 AM	1	0	0	0	**8:45 AM**	0	0	0	0
9:00 AM	1	0	0	0	**9:00 AM**	2	0	2	1
9:15 AM	0	0	2	2	**9:15 AM**	2	2	1	1
9:30 AM	1	1	0	1	**9:30 AM**	1	0	1	1
9:45 AM	0	0	0	0	**9:45 AM**	0	1	1	0
10:00 AM	0	0	0	0	**10:00 AM**	0	0	1	1
10:15 AM	0	0	0	0	**10:15 AM**	0	0	1	2
10:30 AM	0	0	0	0	**10:30 AM**	2	1	0	0
10:45 AM	0	0	1	1	**10:45 AM**	1	2	1	2
11:00 AM	1	0	0	0	**11:00 AM**	2	0	2	0
11:15 AM	0	1	0	0	**11:15 AM**	0	2	0	2
11:30 AM	0	0	1	1	**11:30 AM**	1	0	0	0
11:45 AM	0	0	0	0	**11:45 AM**	0	0	0	0
12:00 PM	0	2	0	0	**12:00 PM**	0	1	0	0
12:15 PM	1	0	0	0	**12:15 PM**	1	0	0	0
12:30 PM	0	2	2	0	**12:30 PM**	0	1	2	0
12:45 PM	2	2	1	2	**12:45 PM**	0	0	2	1
1:00 PM	1	0	0	1	**1:00 PM**	0	0	1	4
1:15 PM	2	0	0	0	**1:15 PM**	0	0	1	0
1:30 PM	0	0	1	0	**1:30 PM**	2	2	1	1
1:45 PM	0	0	1	1	**1:45 PM**	2	1	1	1
2:00 PM	2	2	0	1	**2:00 PM**	0	2	1	0
2:15 PM	0	2	1	0	**2:15 PM**	0	0	0	1
2:30 PM	0	0	1	1	**2:30 PM**	2	1	1	1
2:45 PM	0	0	1	1	**2:45 PM**	0	1	0	0
3:00 PM	0	0	0	0	**3:00 PM**	0	0	1	1
3:15 PM	2	1	1	0	**3:15 PM**	0	0	0	1
3:30 PM	0	1	1	2	**3:30 PM**	1	2	0	0
3:45 PM	0	0	0	1	**3:45 PM**	0	0	1	1
4:00 PM	1	0	0	0	**4:00 PM**	1	1	0	0
4:15 PM	0	1	0	0	**4:15 PM**	0	0	1	0
4:30 PM	0	0	0	0	**4:30 PM**	1	0	0	0
4:45 PM	2	1	1	0	**4:45 PM**	1	2	0	0
5:00 PM	0	10	0	1	**5:00 PM**	4	10	0	0
5:15 PM	0	0	0	0	**5:15 PM**	0	1	1	0
5:30 PM	0	0	0	0	**5:30 PM**	0	1	0	0
5:45 PM	1	1	0	0	**5:45 PM**	1	1	0	0
6:00 PM	0	0	1	0	**6:00 PM**	1	1	0	0
6:15 PM	0	0	1	1	**6:15 PM**	0	0	0	0
6:30 PM	3	3	1	0	**6:30 PM**	2	2	0	0
6:45 PM	0	0	0	0	**6:45 PM**	0	0	0	0
7:00 PM	0	0	0	0	**7:00 PM**	0	0	0	0
7:15 PM	0	0	0	1	**7:15 PM**	0	0	0	0
7:30 PM	0	0	0	0	**7:30 PM**	0	0	0	0
7:45 PM	0	0	0	1	**7:45 PM**	0	0	0	0
8:00 PM	0	0	0	0	**8:00 PM**	0	0	0	0
8:15 PM	0	0	0	0	**8:15 PM**	0	0	0	0
8:30 PM	0	0	1	0	**8:30 PM**	0	0	0	0
8:45 PM	0	0	0	1	**8:45 PM**	1	1	0	0
9:00 PM	0	0	0	0	**9:00 PM**	0	0	0	0
9:15 PM	0	0	0	0	**9:15 PM**	0	0	0	0
9:30 PM	0	0	0	0	**9:30 PM**	0	0	0	0
9:45 PM	0	0	0	0	**9:45 PM**	0	0	0	0
10:00 PM	0	0	0	0	**10:00 PM**	0	0	0	0
10:15 PM	0	0	0	0	**10:15 PM**	1	1	0	0
10:30 PM	0	0	0	0	**10:30 PM**	0	0	0	0
10:45 PM	0	0	0	0	**10:45 PM**	0	0	0	0
11:00 PM	0	0	0	0	**11:00 PM**	0	0	0	0
11:15 PM	0	0	0	0	**11:15 PM**	0	0	0	0
11:30 PM	0	0	0	0	**11:30 PM**	0	0	0	0
11:45 PM	0	0	0	0	**11:45 PM**	0	0	0	0
Totals	*32*	*32*	*21*	*21*	**Totals**	*42*	*42*	*24*	*22*

Parking Occupancy & Demand Estimates (all driveways)

TIME	Wednesday, May 24, 2023 Cars IN	Cars OUT	Cars Parking Occupied	HT IN	HT OUT	HT Parking Occupied	TIME	Thursday, May 25, 2023 Cars IN	Cars OUT	Cars Parking Occupied	HT IN	HT OUT	HT Parking Occupied
12:00 AM	0	0	0	0	0	1	**12:00 AM**	0	0	0	0	0	1
12:15 AM	0	0	0	0	0	1	**12:15 AM**	0	0	0	0	0	1
12:30 AM	0	0	0	0	0	1	**12:30 AM**	0	0	0	0	0	1
12:45 AM	0	0	0	0	0	1	**12:45 AM**	0	0	0	0	0	1
1:00 AM	0	0	0	0	0	1	**1:00 AM**	0	0	0	0	0	1
1:15 AM	0	0	0	0	0	1	**1:15 AM**	0	0	0	0	0	1
1:30 AM	0	0	0	0	0	1	**1:30 AM**	0	0	0	0	0	1
1:45 AM	0	0	0	0	0	1	**1:45 AM**	0	0	0	0	0	1
2:00 AM	0	0	0	0	0	1	**2:00 AM**	0	0	0	0	0	1
2:15 AM	0	0	0	0	0	1	**2:15 AM**	0	0	0	0	0	1
2:30 AM	0	0	0	0	0	1	**2:30 AM**	0	0	0	0	0	1
2:45 AM	0	0	0	0	0	1	**2:45 AM**	0	0	0	0	0	1
3:00 AM	0	0	0	0	0	1	**3:00 AM**	0	0	0	0	0	1
3:15 AM	0	0	0	0	0	1	**3:15 AM**	0	0	0	0	0	1
3:30 AM	0	0	0	0	0	1	**3:30 AM**	0	0	0	0	0	1
3:45 AM	0	0	0	0	0	1	**3:45 AM**	0	0	0	0	0	1
4:00 AM	0	0	0	0	0	1	**4:00 AM**	0	0	0	0	0	1
4:15 AM	0	0	0	0	0	1	**4:15 AM**	0	0	0	0	0	1
4:30 AM	0	0	0	0	0	1	**4:30 AM**	0	0	0	0	0	1
4:45 AM	0	0	0	0	0	1	**4:45 AM**	0	0	0	0	0	1
5:00 AM	0	0	0	0	0	1	**5:00 AM**	0	0	0	0	0	1
5:15 AM	0	0	0	0	0	1	**5:15 AM**	0	0	0	0	0	1
5:30 AM	0	0	0	0	0	1	**5:30 AM**	0	0	0	0	0	1
5:45 AM	0	0	0	0	0	1	**5:45 AM**	0	0	0	0	0	1
6:00 AM	0	0	0	0	0	1	**6:00 AM**	0	0	0	0	0	1
6:15 AM	0	0	0	0	0	1	**6:15 AM**	0	0	0	0	0	1
6:30 AM	0	0	0	0	0	1	**6:30 AM**	0	0	0	0	0	1
6:45 AM	0	0	0	0	0	1	**6:45 AM**	1	1	0	0	0	1
7:00 AM	0	0	0	0	0	1	**7:00 AM**	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	1	**7:15 AM**	0	0	0	0	0	1
7:30 AM	0	0	0	1	1	1	**7:30 AM**	0	0	0	0	0	1
7:45 AM	2	0	2	0	0	1	**7:45 AM**	2	0	2	0	0	1
8:00 AM	3	0	5	0	0	1	**8:00 AM**	1	0	3	0	0	1
8:15 AM	3	0	8	0	0	1	**8:15 AM**	4	1	6	0	0	1
8:30 AM	3	2	9	1	0	2	**8:30 AM**	2	0	8	0	0	1
8:45 AM	1	0	10	0	0	2	**8:45 AM**	0	0	8	0	0	1
9:00 AM	1	0	11	0	0	2	**9:00 AM**	2	0	10	2	1	2
9:15 AM	0	0	11	2	2	2	**9:15 AM**	2	2	10	1	1	2
9:30 AM	1	1	11	0	1	1	**9:30 AM**	1	0	11	1	1	2
9:45 AM	0	0	11	0	0	1	**9:45 AM**	0	1	10	1	0	3
10:00 AM	0	0	11	0	0	1	**10:00 AM**	0	0	10	1	1	3
10:15 AM	0	0	11	0	0	1	**10:15 AM**	0	0	10	1	2	2
10:30 AM	0	0	11	0	0	1	**10:30 AM**	2	1	11	0	0	2
10:45 AM	0	0	11	1	1	1	**10:45 AM**	1	2	10	1	2	1
11:00 AM	1	0	12	0	0	1	**11:00 AM**	2	0	12	2	0	3
11:15 AM	0	1	11	0	0	1	**11:15 AM**	0	2	10	0	2	1
11:30 AM	0	0	11	1	1	1	**11:30 AM**	1	0	11	0	0	1
11:45 AM	0	0	11	0	0	1	**11:45 AM**	0	0	11	0	0	1
12:00 PM	0	2	9	0	0	1	**12:00 PM**	0	1	10	0	0	1
12:15 PM	1	0	10	0	0	1	**12:15 PM**	1	0	11	0	0	1
12:30 PM	0	2	8	2	0	3	**12:30 PM**	0	1	10	2	0	3
12:45 PM	2	2	8	1	2	2	**12:45 PM**	0	0	10	2	1	4
1:00 PM	1	0	9	0	1	1	**1:00 PM**	0	0	10	1	4	1
1:15 PM	2	0	11	0	0	1	**1:15 PM**	0	0	10	1	0	2
1:30 PM	0	0	11	1	0	2	**1:30 PM**	2	2	10	1	1	2
1:45 PM	0	0	11	1	1	2	**1:45 PM**	2	1	11	1	1	2
2:00 PM	2	2	11	0	1	1	**2:00 PM**	0	2	9	1	0	3
2:15 PM	0	2	9	1	0	2	**2:15 PM**	0	0	9	0	1	2
2:30 PM	0	0	9	1	1	2	**2:30 PM**	2	1	10	1	1	2
2:45 PM	0	0	9	1	1	2	**2:45 PM**	0	1	9	0	0	2
3:00 PM	0	0	9	0	0	2	**3:00 PM**	0	0	9	1	1	2
3:15 PM	2	1	10	1	0	3	**3:15 PM**	0	0	9	0	1	1
3:30 PM	0	1	9	1	2	2	**3:30 PM**	1	2	8	0	0	1
3:45 PM	0	0	9	0	1	1	**3:45 PM**	0	0	8	1	1	1
4:00 PM	1	0	10	0	0	1	**4:00 PM**	1	1	8	0	0	1
4:15 PM	0	1	9	0	0	1	**4:15 PM**	0	0	8	1	0	2
4:30 PM	0	0	9	0	0	1	**4:30 PM**	1	0	9	0	0	2
4:45 PM	2	1	10	1	0	2	**4:45 PM**	1	2	8	0	0	2
5:00 PM	0	10	0	0	1	1	**5:00 PM**	4	10	2	0	0	2
5:15 PM	0	0	0	0	0	1	**5:15 PM**	0	1	1	1	0	3
5:30 PM	0	0	0	0	0	1	**5:30 PM**	0	1	0	0	0	3
5:45 PM	1	1	0	0	0	1	**5:45 PM**	1	1	0	0	0	3
6:00 PM	0	0	0	1	0	2	**6:00 PM**	1	1	0	0	0	3
6:15 PM	0	0	0	1	1	2	**6:15 PM**	0	0	0	0	0	3
6:30 PM	3	3	0	1	0	3	**6:30 PM**	2	2	0	0	0	3
6:45 PM	0	0	0	0	0	3	**6:45 PM**	0	0	0	0	0	3
7:00 PM	0	0	0	0	0	3	**7:00 PM**	0	0	0	0	0	3
7:15 PM	0	0	0	0	1	2	**7:15 PM**	0	0	0	0	0	3
7:30 PM	0	0	0	0	0	2	**7:30 PM**	0	0	0	0	0	3
7:45 PM	0	0	0	0	1	1	**7:45 PM**	0	0	0	0	0	3
8:00 PM	0	0	0	0	0	1	**8:00 PM**	0	0	0	0	0	3
8:15 PM	0	0	0	0	0	1	**8:15 PM**	0	0	0	0	0	3
8:30 PM	0	0	0	1	0	2	**8:30 PM**	0	0	0	0	0	3
8:45 PM	0	0	0	0	1	1	**8:45 PM**	1	1	0	0	0	3
9:00 PM	0	0	0	0	0	1	**9:00 PM**	0	0	0	0	0	3
9:15 PM	0	0	0	0	0	1	**9:15 PM**	0	0	0	0	0	3
9:30 PM	0	0	0	0	0	1	**9:30 PM**	0	0	0	0	0	3
9:45 PM	0	0	0	0	0	1	**9:45 PM**	0	0	0	0	0	3
10:00 PM	0	0	0	0	0	1	**10:00 PM**	0	0	0	0	0	3
10:15 PM	0	0	0	0	0	1	**10:15 PM**	1	1	0	0	0	3
10:30 PM	0	0	0	0	0	1	**10:30 PM**	0	0	0	0	0	3
10:45 PM	0	0	0	0	0	1	**10:45 PM**	0	0	0	0	0	3
11:00 PM	0	0	0	0	0	1	**11:00 PM**	0	0	0	0	0	3
11:15 PM	0	0	0	0	0	1	**11:15 PM**	0	0	0	0	0	3
11:30 PM	0	0	0	0	0	1	**11:30 PM**	0	0	0	0	0	3
11:45 PM	0	0	0	0	0	1	**11:45 PM**	0	0	0	0	0	3
Totals	*32*	*32*		*21*	*21*		**Totals**	*42*	*42*		*24*	*22*	

Parking Occupancy Assumptions

Survey Date	*3/24/2023*	*3/25/2023*
*% Spaces Occupied at 12AM**	*1%*	*1%*
# Spaces Occupied at 12AM	*1*	*1*

** An estimate of the number of spaces occupied at the beginning of the study must be determined to approximate parking demand.% spaces occupied at 12AM is estimated assuming that the parking occupancy must not fall below 0 at any time during the study period*

Peak Parking Demand over two-day period	
Cars	HT
12	4

Cars

Wednesday, May 24, 2023	**Thursday, May 25, 2023**
Peak Demand (Spaces)	Peak Demand (Spaces)
12	12

HT

Wednesday, May 24, 2023	**Thursday, May 25, 2023**
Peak Demand (Spaces)	Peak Demand (Spaces)
3	4

Parking Study

1455 Research Dr suite B (Green Bay Packaging Inc - California Slitting Division) Redlands, CA

TOTAL (all driveways)

Wednesday, May 10, 2023						Thursday, May 11, 2023					
TIME	Cars		HT		TIME	Cars		HT		TIME	Cars		HT	
	IN	OUT	IN	OUT		IN	OUT	IN	OUT		IN	OUT	IN	OUT
12:00 AM	0	0	0	0	12:00 AM	0	0	0	0	12:00 AM	0	0	0	0
12:15 AM	0	0	0	0	12:15 AM	0	0	0	0	12:15 AM	0	0	0	0
12:30 AM	0	0	0	0	12:30 AM	0	0	0	0	12:30 AM	0	0	0	0
12:45 AM	0	0	0	0	12:45 AM	0	0	0	0	12:45 AM	0	0	0	0
1:00 AM	0	0	0	0	1:00 AM	0	0	0	0	1:00 AM	0	0	0	0
1:15 AM	0	0	0	0	1:15 AM	0	0	0	0	1:15 AM	0	0	0	0
1:30 AM	0	0	0	0	1:30 AM	0	0	0	0	1:30 AM	0	0	0	0
1:45 AM	0	0	0	0	1:45 AM	0	0	0	0	1:45 AM	0	0	0	0
2:00 AM	0	0	0	0	2:00 AM	0	0	0	0	2:00 AM	0	0	0	0
2:15 AM	0	0	0	0	2:15 AM	0	0	0	0	2:15 AM	0	0	0	0
2:30 AM	0	0	0	0	2:30 AM	1	0	0	0	2:30 AM	1	0	0	0
2:45 AM	0	0	0	0	2:45 AM	0	0	0	0	2:45 AM	0	0	0	0
3:00 AM	2	0	0	0	3:00 AM	1	0	0	0	3:00 AM	1	0	0	0
3:15 AM	0	0	0	0	3:15 AM	0	0	0	0	3:15 AM	0	0	0	0
3:30 AM	0	0	0	0	3:30 AM	0	0	0	0	3:30 AM	0	0	0	0
3:45 AM	0	0	0	0	3:45 AM	0	0	0	0	3:45 AM	0	0	0	0
4:00 AM	1	0	0	0	4:00 AM	1	0	0	0	4:00 AM	1	0	0	0
4:15 AM	2	0	0	0	4:15 AM	2	0	0	0	4:15 AM	2	0	0	0
4:30 AM	7	0	0	1	4:30 AM	6	0	0	0	4:30 AM	7	0	0	0
4:45 AM	0	0	1	0	4:45 AM	0	0	0	0	4:45 AM	0	0	0	0
5:00 AM	0	0	0	1	5:00 AM	0	0	0	0	5:00 AM	0	0	0	0
5:15 AM	0	0	0	0	5:15 AM	0	0	0	0	5:15 AM	0	0	0	0
5:30 AM	0	0	0	0	5:30 AM	0	0	0	0	5:30 AM	0	0	0	0
5:45 AM	4	0	0	0	5:45 AM	2	0	0	0	5:45 AM	4	0	0	0
6:00 AM	0	0	1	0	6:00 AM	1	0	1	0	6:00 AM	0	0	0	0
6:15 AM	0	0	0	0	6:15 AM	0	0	0	0	6:15 AM	0	0	0	0
6:30 AM	0	0	0	0	6:30 AM	1	0	0	0	6:30 AM	0	0	0	0
6:45 AM	0	0	1	0	6:45 AM	0	0	0	0	6:45 AM	0	0	0	0
7:00 AM	0	0	0	0	7:00 AM	0	0	1	0	7:00 AM	0	0	0	0
7:15 AM	0	0	3	0	7:15 AM	0	0	0	2	7:15 AM	0	0	0	0
7:30 AM	0	0	0	2	7:30 AM	0	0	3	0	7:30 AM	0	0	0	0
7:45 AM	0	0	1	0	7:45 AM	0	0	3	2	7:45 AM	0	0	0	0
8:00 AM	0	0	0	1	8:00 AM	2	0	0	1	8:00 AM	0	0	0	0
8:15 AM	0	0	3	1	8:15 AM	1	0	2	4	8:15 AM	0	0	0	0
8:30 AM	1	0	0	1	8:30 AM	2	0	2	0	8:30 AM	1	0	0	0
8:45 AM	0	0	1	1	8:45 AM	0	2	5	1	8:45 AM	0	0	0	0
9:00 AM	3	0	0	0	9:00 AM	2	0	2	2	9:00 AM	3	0	0	0
9:15 AM	0	3	2	1	9:15 AM	0	1	1	3	9:15 AM	0	3	0	0
9:30 AM	3	0	1	1	9:30 AM	1	1	2	2	9:30 AM	3	0	0	0
9:45 AM	0	0	1	0	9:45 AM	0	0	4	1	9:45 AM	0	0	0	0
10:00 AM	1	0	1	1	10:00 AM	1	1	1	5	10:00 AM	1	0	0	0
10:15 AM	0	1	2	1	10:15 AM	1	2	0	2	10:15 AM	0	1	0	0
10:30 AM	0	0	2	2	10:30 AM	1	1	1	1	10:30 AM	0	0	0	0
10:45 AM	0	0	0	3	10:45 AM	0	1	2	0	10:45 AM	0	0	0	0
11:00 AM	1	0	1	1	11:00 AM	1	0	0	1	11:00 AM	1	0	0	0
11:15 AM	0	1	0	0	11:15 AM	1	1	2	0	11:15 AM	0	1	0	0
11:30 AM	0	0	1	0	11:30 AM	0	0	2	1	11:30 AM	0	0	0	0
11:45 AM	0	0	3	1	11:45 AM	0	0	1	2	11:45 AM	0	0	0	0
12:00 PM	3	1	0	0	12:00 PM	3	0	1	1	12:00 PM	3	1	0	0
12:15 PM	1	1	0	3	12:15 PM	3	0	2	1	12:15 PM	1	1	0	0
12:30 PM	9	2	0	1	12:30 PM	6	3	0	2	12:30 PM	9	2	0	0
12:45 PM	2	2	1	0	12:45 PM	2	0	1	2	12:45 PM	2	2	0	0
1:00 PM	0	0	1	1	1:00 PM	2	4	1	0	1:00 PM	0	0	0	0
1:15 PM	3	14	1	0	1:15 PM	0	10	1	1	1:15 PM	3	14	0	0
1:30 PM	0	0	0	2	1:30 PM	1	1	0	1	1:30 PM	0	0	0	0
1:45 PM	1	0	1	0	1:45 PM	2	1	1	0	1:45 PM	1	0	0	0
2:00 PM	0	1	2	1	2:00 PM	1	0	0	1	2:00 PM	0	1	0	0
2:15 PM	0	0	1	0	2:15 PM	0	1	0	1	2:15 PM	0	0	0	0
2:30 PM	0	0	2	0	2:30 PM	1	0	0	1	2:30 PM	0	0	0	0
2:45 PM	1	1	1	1	2:45 PM	1	1	0	0	2:45 PM	1	1	0	0
3:00 PM	1	3	0	1	3:00 PM	1	4	1	0	3:00 PM	1	3	0	0
3:15 PM	0	0	0	2	3:15 PM	0	1	1	0	3:15 PM	0	0	0	0
3:30 PM	0	1	0	1	3:30 PM	0	0	0	2	3:30 PM	0	1	0	0
3:45 PM	0	1	1	1	3:45 PM	1	3	1	0	3:45 PM	0	1	0	0
4:00 PM	0	1	0	1	4:00 PM	0	1	1	0	4:00 PM	0	1	0	0
4:15 PM	0	0	0	1	4:15 PM	0	0	0	0	4:15 PM	0	0	0	0
4:30 PM	0	0	0	0	4:30 PM	0	0	0	0	4:30 PM	0	0	0	0
4:45 PM	0	0	0	1	4:45 PM	0	0	1	2	4:45 PM	0	0	0	0
5:00 PM	2	2	0	0	5:00 PM	1	1	0	0	5:00 PM	2	2	0	0
5:15 PM	0	0	1	1	5:15 PM	0	0	0	1	5:15 PM	0	0	0	0
5:30 PM	0	1	0	0	5:30 PM	1	0	0	0	5:30 PM	0	1	0	0
5:45 PM	0	1	0	0	5:45 PM	2	3	0	0	5:45 PM	0	1	0	0
6:00 PM	1	1	0	0	6:00 PM	0	0	0	0	6:00 PM	1	1	0	0
6:15 PM	1	1	0	0	6:15 PM	1	2	0	0	6:15 PM	1	1	0	0
6:30 PM	1	1	0	0	6:30 PM	0	0	1	0	6:30 PM	1	1	0	0
6:45 PM	0	0	0	0	6:45 PM	1	1	0	1	6:45 PM	0	0	0	0
7:00 PM	0	0	0	0	7:00 PM	1	0	0	0	7:00 PM	0	0	0	0
7:15 PM	0	0	0	0	7:15 PM	0	0	0	0	7:15 PM	0	0	0	0
7:30 PM	0	0	1	1	7:30 PM	0	1	0	0	7:30 PM	0	0	0	0
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9:45 PM	0	0	0	0	9:45 PM	0	0	1	0	9:45 PM	0	0	0	0
10:00 PM	0	0	0	0	10:00 PM	0	0	0	0	10:00 PM	0	0	0	0
10:15 PM	0	1	0	0	10:15 PM	0	0	0	0	10:15 PM	0	1	0	0
10:30 PM	0	2	0	0	10:30 PM	0	2	0	0	10:30 PM	0	2	0	0
10:45 PM	0	0	0	0	10:45 PM	0	0	0	0	10:45 PM	0	0	0	0
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11:15 PM	0	0	0	0	11:15 PM	0	0	0	0	11:15 PM	0	0	0	0
11:30 PM	0	0	0	0	11:30 PM	0	0	0	0	11:30 PM	0	0	0	0
11:45 PM	0	0	0	0	11:45 PM	0	0	0	0	11:45 PM	0	0	0	0
Totals	53	53	39	39	Totals	60	60	51	50	Totals	53	53		

Parking Occupancy & Demand Estimates (all driveways)

Wednesday, May 10, 2023								Thursday, May 11, 2023						
TIME	Cars			HT			TIME	Cars			HT			
	IN	OUT	Parking Occupied	IN	OUT	Parking Occupied		IN	OUT	Parking Occupied	IN	OUT	Parking Occupied	
12:00 AM	0	0	1	0	0	0	12:00 AM	0	0	1	0	0	0	
12:15 AM	0	0	1	0	0	0	12:15 AM	0	0	1	0	0	0	
12:30 AM	0	0	1	0	0	0	12:30 AM	0	0	1	0	0	0	
12:45 AM	0	0	1	0	0	0	12:45 AM	0	0	1	0	0	0	
1:00 AM	0	0	1	0	0	0	1:00 AM	0	0	1	0	0	0	
1:15 AM	0	0	1	0	0	0	1:15 AM	0	0	1	0	0	0	
1:30 AM	0	0	1	0	0	0	1:30 AM	0	0	1	0	0	0	
1:45 AM	0	0	1	0	0	0	1:45 AM	0	0	1	0	0	0	
2:00 AM	0	0	1	0	0	0	2:00 AM	0	0	1	0	0	0	
2:15 AM	0	0	1	0	0	0	2:15 AM	0	0	1	0	0	0	
2:30 AM	0	0	1	0	0	0	2:30 AM	1	0	2	0	0	0	
2:45 AM	0	0	1	0	0	0	2:45 AM	0	0	2	0	0	0	
3:00 AM	2	0	3	0	0	0	3:00 AM	1	0	3	0	0	0	
3:15 AM	0	0	3	0	0	0	3:15 AM	0	0	3	0	0	0	
3:30 AM	0	0	3	0	0	0	3:30 AM	0	0	3	0	0	0	
3:45 AM	0	0	3	0	0	0	3:45 AM	0	0	3	0	0	0	
4:00 AM	1	0	4	0	0	0	4:00 AM	1	0	4	0	0	0	
4:15 AM	2	0	6	0	0	0	4:15 AM	2	0	6	0	0	0	
4:30 AM	7	0	13	0	0	0	4:30 AM	6	0	12	0	0	0	
4:45 AM	0	0	13	1	0	1	4:45 AM	0	0	12	0	0	0	
5:00 AM	0	0	13	0	1	0	5:00 AM	0	0	12	0	0	0	
5:15 AM	0	0	13	0	0	0	5:15 AM	0	0	12	0	0	0	
5:30 AM	0	0	13	0	0	0	5:30 AM	0	0	12	0	0	0	
5:45 AM	4	0	17	0	0	0	5:45 AM	2	0	14	0	0	0	
6:00 AM	0	0	17	1	0	1	6:00 AM	1	0	15	1	0	1	
6:15 AM	0	0	17	0	0	1	6:15 AM	0	0	15	0	0	1	
6:30 AM	0	0	17	0	0	1	6:30 AM	1	0	16	0	0	1	
6:45 AM	0	0	17	0	1	0	6:45 AM	0	0	16	0	0	1	
7:00 AM	0	0	17	0	0	0	7:00 AM	0	0	16	1	0	2	
7:15 AM	0	0	17	3	0	3	7:15 AM	0	0	16	0	2	0	
7:30 AM	0	0	17	0	2	1	7:30 AM	0	0	16	3	0	3	
7:45 AM	0	0	17	1	0	2	7:45 AM	0	0	16	3	2	4	
8:00 AM	0	0	17	0	1	1	8:00 AM	2	0	18	0	1	3	
8:15 AM	0	0	17	3	1	3	8:15 AM	1	0	19	2	4	1	
8:30 AM	1	0	18	0	1	2	8:30 AM	2	0	21	2	0	3	
8:45 AM	0	0	18	1	1	2	8:45 AM	0	2	19	5	1	7	
9:00 AM	3	0	21	0	2	2	9:00 AM	2	0	21	2	2	7	
9:15 AM	0	3	18	2	1	3	9:15 AM	0	1	20	1	3	5	
9:30 AM	3	0	21	1	1	3	9:30 AM	1	1	20	2	2	5	
9:45 AM	0	0	21	1	0	4	9:45 AM	0	0	20	4	1	8	
10:00 AM	1	0	22	1	1	4	10:00 AM	1	1	20	1	5	4	
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10:30 AM	0	0	21	2	2	5	10:30 AM	1	1	19	1	1	2	
10:45 AM	0	0	21	0	3	2	10:45 AM	0	1	18	2	0	4	
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3:30 PM	0	1	16	0	1	1	3:30 PM	0	0	16	0	2	1	
3:45 PM	0	1	15	1	1	1	3:45 PM	1	3	14	1	0	2	
4:00 PM	0	1	14	2	1	2	4:00 PM	0	1	13	1	0	3	
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7:30 PM	0	0	12	1	1	0	7:30 PM	0	1	12	0	0	1	
7:45 PM	0	0	12	1	0	1	7:45 PM	0	0	12	0	0	1	
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8:30 PM	0	0	12	0	0	0	8:30 PM	1	1	12	1	0	2	
8:45 PM	1	1	12	0	0	0	8:45 PM	0	0	12	0	1	1	
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9:45 PM	0	0	4	0	0	0	9:45 PM	0	0	3	1	0	1	
10:00 PM	0	0	4	0	0	0	10:00 PM	0	0	3	0	0	1	
10:15 PM	0	1	3	0	0	0	10:15 PM	0	0	3	0	0	1	
10:30 PM	0	2	1	0	0	0	10:30 PM	0	2	1	0	0	1	
10:45 PM	0	0	1	0	0	0	10:45 PM	0	0	1	0	0	1	
11:00 PM	0	0	1	0	0	0	11:00 PM	0	0	1	0	0	1	
11:15 PM	0	0	1	0	0	0	11:15 PM	0	0	1	0	0	1	
11:30 PM	0	0	1	0	0	0	11:30 PM	0	0	1	0	0	1	
11:45 PM	0	0	1	0	0	0	11:45 PM	0	0	1	0	0	1	
Totals	53	53		39	39		Totals	60	60		51	50		

Parking Occupancy Assumptions

*Total Spaces ***	***133***	
Survey Date	*3/10/2023*	*3/11/2023*
*% Spaces Occupied at 12AM**	*1%*	*1%*
# Spaces Occupied at 12AM	*1*	*1*

** An estimate of the number of spaces occupied at the beginning of the study must be determined to approximate parking demand.% spaces occupied at 12AM is estimated assuming that the parking occupancymust not fall below 0 at any time during the study period*

*** Total space counts are the number of spaces in the highlighted area-ONLY on the KMZ provided*

Peak Parking Demand over two-day period

Cars	HT
30	8

Cars

Wednesday, May 10, 2023	Thursday, May 11, 2023
Peak Demand (Spaces)	Peak Demand (Spaces)
30	30

HT

Wednesday, May 10, 2023	Thursday, May 11, 2023
Peak Demand (Spaces)	Peak Demand (Spaces)
5	8

Appendix K1

LAFCO Plan for Service for Annexation Parcel

Plan for Service – Patriot Partners

City of Highland, Annexation of .56 Acres, APN 1192-551-01

OCTOBER 2024

City of Highland
27215 Base Line
Highland, CA 92346
(909) 864-6861
cityofhighland.org



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A City of Highland Development Impact Fees

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1 Introduction

1.1 Overview

This report presents the Plan for Service for the annexation of approximately .56 gross acres currently in the City of San Bernardino into the City of Highland to facilitate the development of a 173,976 square foot speculative warehouse/distribution facility on a combined 7.23 acre site that currently overlies both the Cities of Highland and San Bernardino. The Local Agency Formation Commission (LAFCO) of the County of San Bernardino requires a jurisdiction to submit a Plan for Service when the jurisdiction is affected by a proposed change in boundaries, formations, or organization. "The Patriot Partners Project" is located mostly within the City of Highland (6.67 acres) with .56 acres in the City of San Bernardino, proposed for de-annexation. The LAFCO policy states the following:

> "The plan for service shall be prepared and submitted by each local agency affected by a proposed change of organization, regardless whether that proposal is initiated by resolution or petition. In the case of a proposed annexation, the plan for service must demonstrate that the range and level of services currently available within the study area will, at least, be maintained by the annexing agency…."

The subject Plan for Service identifies the proposed public facility improvements and services related to roads, fire and emergency medical services, police, libraries, domestic water, wastewater, storm drainage, parks and open space, public utilities, schools, and solid waste management. The Plan shows how public facilities and infrastructure improvements will be implemented. The required development impact fees are also presented. A separate Fiscal Analysis has been prepared for the project development to show impacts of development on public revenues and costs that are used for ongoing operations and maintenance. Fiscal impacts are summarized in Chapter 4.

1.2 Project Overview

The City of Highland, in coordination with the project applicant Patriot USICVI 5th Street, LLC, is proposing annexation of a .56 gross acre site located at the southwest corner of 5th Street and Victoria Avenue, currently in the City of San Bernardino, into the corporate boundaries of the City of Highland, and subsequent development of a 173,976 square foot warehouse/distribution facility. The northern site boundary is defined by 5th Street, the southern site boundary is by 3rd Street and the westerly boundary by Victoria Avenue. Vacant land and City Creek Bypass Flood Control Channel border the property to the east.

Figure (1) shows the regional location map and Figure (2) shows the project site map. The project proposes annexation of .56 acres into the City of Highland as a result of the physical location of the project, which is adjacent to the City of Highland and separated from the City of San Bernardino by Victoria Avenue. LAFCO is the authority for local boundary changes and municipal reorganizations. Municipal reorganization for the project would include detachment of the subject .56 acre parcel from the City of San Bernardino, annexation of the parcel into the City of Highland Sphere of influence (SOI) area, pre-zoning of the said parcel by the City of Highland to Business Park (BP), and annexation of the parcel into the City of Highland. This action would require a General Plan amendment for both the City of Highland and City of San Bernardino. Detachment of the parcel from the City of San Bernardino requires a resolution from the City of San Bernardino City Council accepting the proposed action.

Figure 1 Regional Map

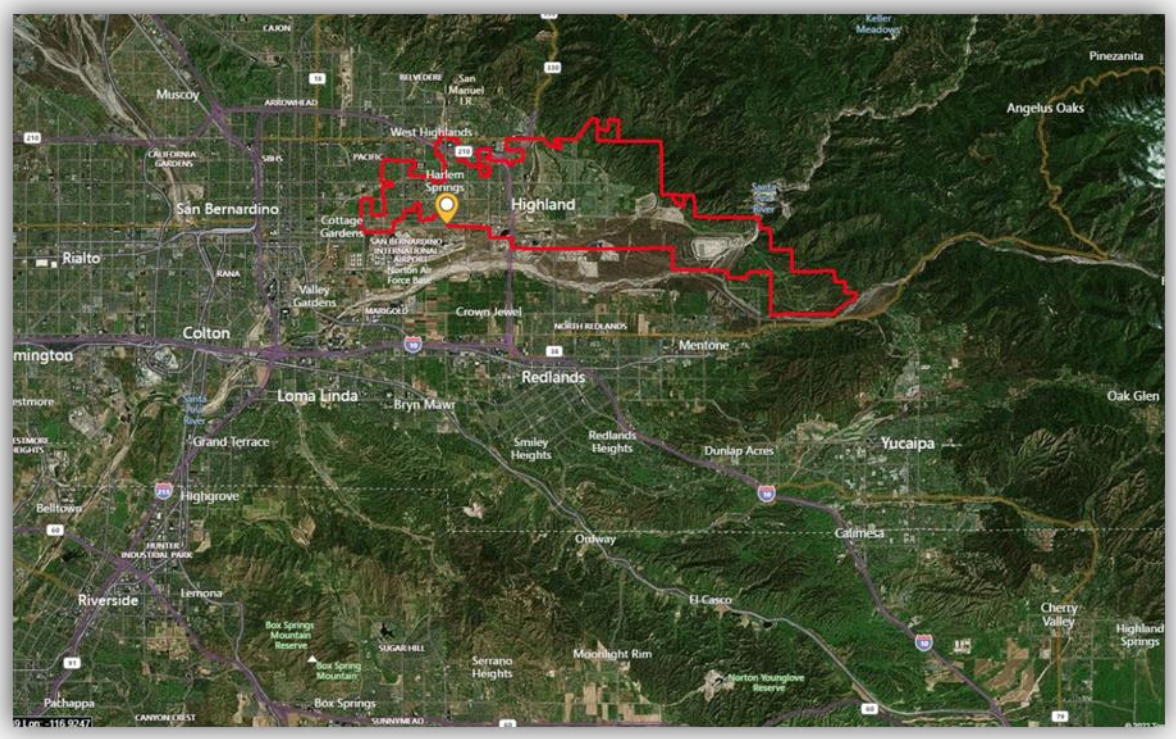
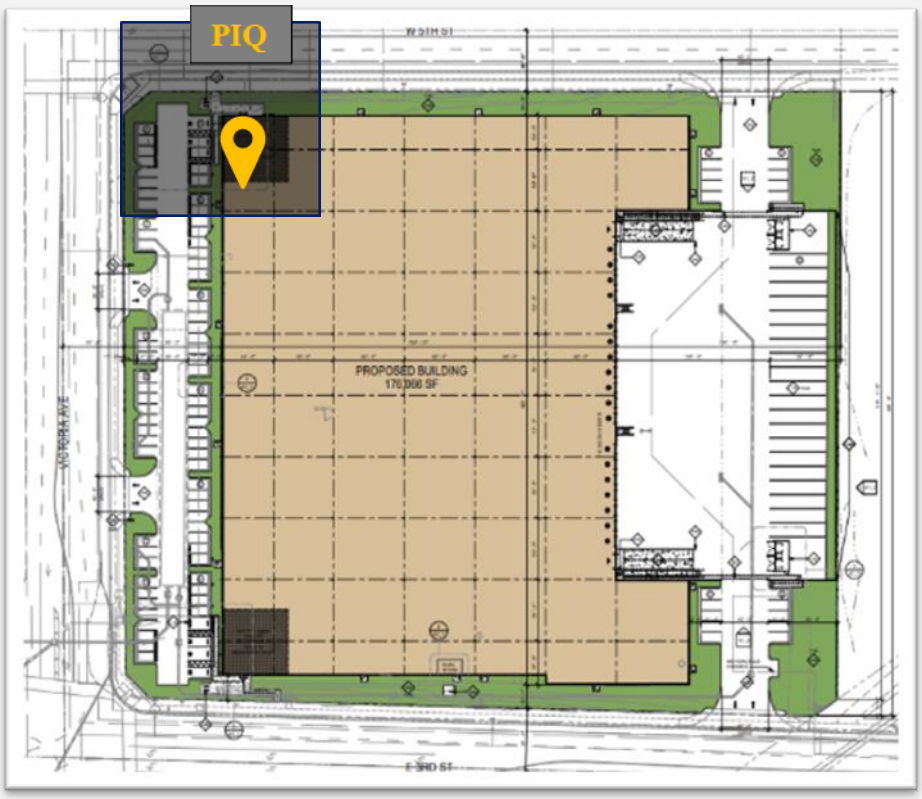


Figure 2 Site Map



As shown below in Table (1-1), the project area encompasses a total of .56 acres proposed for industrial development with a 173,976 square foot warehouse/distribution facility. The project will not result in residential development or increased population.

Table 1-1. Annexation of "Patriot Partners" Plan for Service, City of Highland Estimated Development

Land Use	Development
Warehouse/Distribution	173,976 square feet
Estimated Employment	147 employees

Source: Dudek - SEC 5th Street and Victoria Avenue Warehouse Project Initial Study/Mitigated Negative Declaration

1.3 Methodology and Resources

Each of the public facilities or services required by the project area was analyzed as to the respective levels of service requirements and existing facilities serving the area after the build-out. The preparation of the Plan for Services involves the analysis of public infrastructure and service requirements of the respective jurisdictions and agencies that have lead responsibility. The Plan for Service demonstrates that the necessary public infrastructure will be provided in a timely manner commensurate with the development of the "Patriot Partners" project area and will not create financial burden on the City of Highland. For each service or improvement area, the following is included:

- -A description of the service provider;
- A description of the level of each service to be provided to the area;
- An identification of any improvement or upgrading of structures, roads, water, and sewer facilities, other infrastructure, or other conditions the affected agency would impose upon the area; and
- A description of how the service or required improvements will be financed.

The necessary facility improvements have been identified through discussions with the agencies that provide the services and through review of the environmental documents. Appendix A presents a listing of Highland's current Development Impact Fees, which represent a sources of funding for capital facilities in the City and which will be charged and collected by Highland to offset the costs associated with the proposed development of "Patriot Partners". A list of agencies contacted as part of the preparation of the Plan for Service is shown in Appendix B.

Operations and Maintenance costs for services are projected in a separate report titled Annexation of ".56 Acres Patriot Partners" Fiscal Analysis, City of Highland (January 2024). This fiscal analysis is summarized in Chapter 4 of this Plan for Service. The fiscal analysis indicates that General Fund recurring revenues are projected to cover projected General Fund recurring operating and maintenance cost estimates after build-out.

Resources used in preparation of the Plan for service include the following:

- Highland General Plan, Highland Municipal Code, and Highland Zoning Map
- City of Highland 2023-2025 Adopted Budget;
- City of Highland Development Impact Fees, Adopted by Resolution No. 2023 -40 and -41.
- Initial Study / Mitigated Negative Declaration by Dudek

2 Plan for Service Summary

2.1 Summary of Service Providers

Table 2-1 shows current service providers in the City of San Berardino and in the City of Highland. Upon annexation, the City of Highland will assume responsibility for several services that were previously provided by the City of San Berardino or other County agencies. The providers shown for the City of Highland will be responsible for the provision of services to the project development after annexation. These services include the basic level of public services that are required to support the projected development in the proposed project and the associated industrial growth.

2.2 Summary of Capital and O&M Funding Sources

Table 2-2 presents a summary of the funding requirements for the facilities and services identified in the Plan for Service. The funding requirements are shown by capital costs and operations & maintenance (O&M) costs. The developer is required to fund the capital costs of construction for the additional local facilities or improvements required as a result of its development; regional facilities usually require a fair-share approach.

Capital costs to provide additional facilities and improvements to serve the project area will be funded by the City's Development Impact Fees (DIFs); a list of these current City fees is shown in Appendix A. The City recently updated its schedule of Development Impact Fees per Resolution Nos. 2023-40 and -41 and is implementing the fee increase effective April 1, 2024.

The City of Highland and other service providers are generally responsible for the O&M costs associated with additional services and facilities and fund these costs through various sources of revenues that might include: property taxes, sales taxes, gas tax, vehicle license fee (VLF), and other General Fund revenues, user charges and landscaping & lighting district assessments. The City of Highland will receive the City of San Bernardino's entire share of the basic 1 percent (1%) property tax levy once the .56 acre is annexed into the City of Highland. The City of Highland will also assume new operations and maintenance costs.

Table 2-1. Annexation of .56 Acres Patriot Partners Plan for Services Service Providers

Category of Service	Provider Before Annexation City of San Bernardino	Provider After Annexation City of Highland
Transportation		
Freeways/interchanges	Cal Trans	Cal Trans
Arterials and collectors	City of San Bernardino Public Works Dept.	City of Highland Public Works Dept.
Local roads	City of San Bernardino Public Works Dept.	City of Highland Public Works Dept.
Signalized intersections	City of San Bernardino Public Works Dept.	City of Highland Public Works Dept.
Fire & Paramedic	Contract with San Bernardino County Fire Dept.	Contract with Cal Fire
Police	City of San Bernardino Police Dept.	Contract with San Bernardino County Sheriff

Table 2-1. Annexation of .56 Acres Patriot Partners Plan for Services Service Providers

Category of Service	Provider Before Annexation City of San Bernardino	Provider After Annexation City of Highland
Libraries	City Library	Contract with San Bernardino County Library
Water Domestic Sanitary-Sewer/reclamation	 City of San Bernardino Water Department City of San Bernardino Public Works Dept.	 East Valley Water District East Valley Water District
Flood Control & Drainage Local Facilities Regional Facilities	 City of San Bernardino Public Services Dept San Bernardino County Flood Control Dist.	 City of Highland Public Works Division San Bernardino County Flood Control Dist.
Utilities Cable/Internet Provider Power Telephone Natural Gas	 Frontier Cable Southern California Edison Frontier Southern California Gas	 Frontier Cable/Spectrum Cable Southern California Edison Frontier, Spectrum & other cellular comp. Southern California Gas
Schools	City of San Bernardino Unified School Dist.	City of San Bernardino Unified School Dist.
Parks & Open Space Local Regional	 City of San Bernardino San Bernardino County Regional Parks	 City of Highland Public Works Division San Bernardino County Regional Parks
Solid Waste Management	Contract with Burrtec Waste Industries, Inc.	Contract with Burrtec Waste Industries, Inc.
Animal Control	City of San Bernardino Animal Control	Contract with San Bernardino County Animal Care and Control
Health & Welfare	San Bernardino County Dept. of Public Health	San Bernardino County Dept. of Public Health

Table 2-2. Annexation of .56 Acres Patriot Partners Plan for Services Summary of Funding Sources

Facility or Service	Provider	Capital Funding	M&O Funding
Transportation (Local Roads)	City of Highland	General Fund/CIP/ Development Impact Fees	General Fund and Gas Taxes
Fire & Paramedics	Cal Fire	General Fund Development Impact Fees	General Fund/ Fire and Paramedic Revenues
Police	San Bernardino County Sheriff contract	Development Impact Fees	General Fund
Libraries	San Bernardino County Public Library	Development Impact Fees	General Fund

Table 2-2. Annexation of .56 Acres Patriot Partners Plan for Services Summary of Funding Sources

Facility or Service	Provider	Capital Funding	M&O Funding
Domestic Water	East Valley Water District	EVWD	EVWD
Sanitary Sewer	East Valley Water District	EVWD	EVWD
Flood Control & Drainage (Local Facilities)	City of Highland	Development Impact Fees	General Fund/Streets & Maintenance Dist[1]
Parks & Open Space, Public Parks, Landscaped Slopes/Trails, and Undeveloped Open Space	City of Highland	Development Impact Fees	LMD & General Fund [2]
Utilities: Cable television Power Telephone Gas Waste Disposal	 Time Warner Cable/Spectrum Southern California Edison Local cellular providers Southern California Gas Burrtec Waste Industries, Inc.	 Utility/Developer Utility/Developer Utility/Developer Utility/ Developer Utility/Developer	 User charges User charges User charges User charges User charges
Schools	San Bernardino City Unified School District	School Impact Fees	School district property tax & state funding

1 The project area will be annexed into the City's Streets and Drainage Maintenance District once established.
2 The project will be annexed into the City's existing Consolidated Landscaping and Lighting District prior to occupancy approval by the City of Highland which will provide funding for ongoing maintenance of lighting in the project area.

2.3 Project Phasing

The project would be completed in two phases. The first phase encompasses the three-part municipal reorganization for the parcel which includes: 1) detachment of the .56 acre site from the City of San Bernardino; 2) sphere of influence (SOI) change for the parcel from the City of San Bernardino to the City of Highland; and 3) subsequent annexation of this parcel into the City of Highland. The second phase includes development and use of the .56 acre site for the development of a 170,066 square foot warehouse/distribution/logistics facility.

2.4 Summary of Service Requirements

Transportation

The project will be conditioned to construct the public street infrastructure improvements in compliance with the project's Conditions of Approval prepared by the City's Public Works Division. In addition, the project will be served by Omnitrans, the local bus service.

Fire and Paramedic Services

Fire protection and emergency medical services are provided to the City under contract services to the California Department of Forestry and Fire Protection (Cal Fire). Current facilities and staffing levels are adequate to meet the service demands of the .56 acre project area to the project "build-out." Capital costs to provide additional facilities

and improvements to service the project area would be funded by the City's fire facilities and equipment development impact fees. Operations and maintenance costs are the responsibility of the City through the contract with Cal Fire.

Police Protection

The City contracts with the San Berardino County Sheriff to provide police protection services. At project "build-out," the project area will generate a need for police protection and investigative services, the current police resources are sufficient to provide basic police services to the .56 acre project area. Capital costs to provide additional facilities and improvements to service the project area would be funded by the City's DIFs law enforcement facilities and equipment impact fees. Operations and maintenance costs are funded through the City's General Fund.

Domestic Water

Domestic water will be provided to the project site by the East Valley Water District (EVWD/the District). The EVWD provides domestic water for the City and for portions of both the City of San Bernardino and San Bernardino County. Water service is provided for residential, commercial, industrial, governmental, and landscaping purposes. A new 2-inch water line would be installed on the western side of the project site to connect to the existing 6-inch water line within the public right-of-way (ROW) along Victoria Avenue to provide domestic and irrigation water service to the site. Fire suppression water service would be provided via connections to existing lines in both Victoria Avenue and 3rd Street.

Sanitary Sewer

The City's sewer system is maintained by the EVWD, which has joint powers with the City of San Bernardino to accept all sewage generated within the EVWD's boundaries. The sewage from the City is treated at the San Bernardino Water Reclamation Plant (WRP), operated by the San Bernardino City Municipal Water District. One new 6-inch sewer line would connect to the existing 21-inch sewer line within 5th Street. Future treatment will take place at the EVWD Sterling Natural Resources Plant, completed recently on January 16, 2024, at the intersections of Del Rosa Drive, between 5th and 6th Streets.

Natural Gas, Electrical Service, and Telecommunications

The Southern California Gas Company would provide natural gas service to the project site. Southern California Edison would provide electric service. The project would connect to existing electrical lines within Victoria Avenue. Telecommunication services are provided by various telecommunication service providers. The project would connect to these existing facilities.

Storm Drainage

The project site slopes down by approximately 0.7% from the northwest corner to the southwest corner and has about 6 feet of fall from upstream to downstream. Existing runoff sheet flows in a southwesterly direction onto the 3rd Street and Victoria Avenue intersection where it is intercepted by existing catch basins. The collected flow discharges to the 3rd Street storm drain system, followed by the City Creek Bypass Channel, Santa Ana River, and finally enters the Prado Basin near the SR-71 and SR-91 interchange.

The project would involve the construction of a new engineered storm drain system to collect and treat on-site stormwater runoff. The existing drainage pattern would be preserved in post-developed conditions. On-site

stormwater would be collected via a series of roof drains, curbs, gutters, and catch basins before being conveyed to an on-site underground infiltration/detention basin located in the western portion of the site. The infiltration/detention basin would be designed to allow for stormwater flows to infiltrate into the soils. The overflow from the infiltration system would be directed through a proposed 24-inch outlet connecting to the back of the existing catch basin on Victoria Avenue, which discharges to the 3rd Street storm drain system.

Solid Waste Management

Solid waste collection is provided under contract with Burrtec Waste Industries. The San Timoteo Waste facility will receive solid waste generated from the proposed project. This disposal site is managed by the San Bernardino County Solid Waste Management Department. The service is paid for through user fees.

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3 Service Requirements

3.1 Transportation

Service Provider

Local public transportation via bus service is provided by Omnitrans and will serve the project locations with service lines along 3rd and 5th Street and Victoria Avenue. The City of Highland is responsible for the planning and provision of streets in the City of Highland. Caltrans is responsible for freeways, freeway interchanges and State routes. Caltrans manages highway and freeway lanes, provides inter-city rail service, assists more than 100 public general aviation airports, and works with local agencies. Regional access to the site is provided by SR-210 Freeway.

Improvements

The developer is responsible for the cost of improving local roads within the project area. The roads will be constructed as noted above.

3.2 Fire and Paramedic Services

Service Provider

The City contracts with Cal Fire for fire and paramedic services. The Highland Fire Department (CalFire) provides a full range of fire protection services including pre-fire planning and engineering; fire suppression, rescue and extrication; fire cause investigation; and emergency medical services. They provide fire protection services and respond to medical emergencies.

In addition, the City of Highland participates in the Statewide Mutual Aid agreement with CalFire. The City of Highland has automatic aid agreements with the City of Redlands, the City of San Bernardino (County Fire), as well as the San Manuel Band of Mission Indians Fire Department. Ambulance services are provided by American Medical Response (AMR), a private ambulance service serving the local areas.

Fire Level of Service

The annexation area will be served by the City of Highland Fire Department through a contract with CalFire. The City of Highland operates three (3) fire stations which includes FS#541 (Fire Station No. 1) at 26974 Base Line, FS #542 (Fire Station No.2) at 29507 Base Line, and FS#543 (Fire Station No. 3) at 7649 Sterling Avenue. Fire Station No. 2 and 3 are both located approximately 1.2 miles from the project site. Either station may be dispatched to the project site during an emergency. The City of Highland owns the fire stations and all the equipment and vehicles, but contracts for firefighter personnel through CalFire.

Based on the project's construction type, .56-acre property size, and operational characteristics, it will have a nominal impact and therefore would not generate demand for an additional firefighter.

Improvements

No additional capital funding requirements for the fire facilities have been identified as a result of the proposed project (.56 acre site). The proposed project would be required to pay fire facilities and equipment Development Impact Fees for industrial development, as shown in Appendix A. This would comply with the California Fire Code for industrial development. The City will be responsible for the operations and maintenance costs through the General Fund to provide fire and emergency services to the annexation area (.56 acre site). Services are provided through the contract with CalFire as mentioned above.

3.3 Police Protection

Service Provider

The City of Highland contracts its law enforcement services through the San Bernardino County Sheriff's Department. The Sheriff's Deputies and support staff occupy a City of Highland owned Police Station facility located at 26985 Base Line. As a contract Police Department, it operates under a mutual aide type agreement, allowing the City access to a variety of resources offered by the San Bernardino County Sheriff's Department. The contract may be adjusted as needed to meet staffing needs.

Police Level of Service

The City of Highland's Station is very busy in terms of the ratio of safety personnel to population, calls for services, and arrests per deputy. Police service calls will not increase as a result of the proposed project (.56-acre site). The proposed project will not generate the need for additional officers or equipment.

Improvements

The proposed project does not result in a need for additional officers as a result of annexation and subsequent industrial development. No additional capital funding requirements for facilities have been identified as a result. The project would be required to pay Law Enforcement Facilities and Equipment Development Impact Fees for industrial development, as shown in Appendix A. The City will provide the operations and maintenance costs to provide service to the annexation through its General Fund.

3.4 Domestic Water

Service Provider

Service for domestic water for the project would be provided by East Valley Water District which provides water to an approximately 28 square mile area in San Bernardino County. The District has a service population of approximately 104,000. The District utilizes water from several sources including the Santa Ana River, the Bunker Hill Groundwater Basin and the City of San Bernardino domestic water system. During dry years, the District can obtain water from Northern California through the State Water Project.

Water Level of Service

A of January 16, 2024, EVWD has been operating at the Sterling Natural Resource Center (SNRC) that will recycle up to 8 million gallons of waste water per day that will replenish the local ground water basin which is a source of

waste for 650,000 people. The proposed project (.56 acre site) would increase demand minimally for water. EVWD has indicated to the City of Highland that there is an adequate supply for the proposed development.

Improvements

To accommodate flows to the project site, the project will be required to construct a water system to and from this development. While the specific timing of these improvements is not known, it is assumed that phasing of facilities will be concurrent with the development of the project. EVWD will provide for the necessary operations and maintenance of the water systems needed to serve the project area. EVWD collects no property tax revenues. The operations and maintenance costs are covered primarily through monthly service charges that will be paid by future users within the project development.

3.5 Sanitary Sewer / Wastewater Services

Service Provider

EVWD is the sanitary sewer service provider in the area. The District completed construction of their "Sterling Natural Resources Center" on January 16, 2024.

Sewer Level of Service

A of January 16, 2024, EVWD has been operating at the Sterling Natural Resource Center (SNRC) that will recycle up to 8 million gallons of waste water per day that will replenish the local ground water basin which is a source of waste for 650,000 people. According to EVWD, the sewer system has adequate capacity to serve the development and the project (.56 acre site). They maintain their own sewer lines within the City of Highland. At the time of this report, EVWD still relies on and connects to sewer treatment with the City of San Bernardino, however, that will transition to SNRC. EVWD will provide for the necessary operations and maintenance of the sewer systems needed to serve the project area. Operation and maintenance costs are covered primarily through monthly service charges that will be paid by future users within the project area.

3.6 Flood Control and Drainage

Service Provider

Local drainage facilities are maintained by the City of Highland. All facilities are routinely inspected, and necessary actions are taken to maintain the facilities in compliance with established standards. The San Bernardino County Flood Control District (SBCFCD) is responsible for the design, construction, operation, and maintenance of regional flood control facilities for all of the incorporated and unincorporated areas in San Bernardino County.

Flood Control Level of Service

SBCFCD has developed an extensive system of facilities, including dams, conservation basins, channels, and storm drains. The purpose of these facilities is to intercept and convey flood flows through and away from the major developed areas of the County.

Since the project is proposed for annexation into the City of Highland, it is subject to the storm water discharge requirements of the City's General Construction Permit (GCP). The GCP requires the development and

implementation of a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP contains site maps that show the construction site perimeter, existing and proposed buildings, lots, roadways, storm water collection and discharge points, general topography both before and after construction, and drainage patterns across the site.

Improvements

Storm water runoff generated from within the project site would be managed in accordance with existing laws and regulations established under the National Pollution Discharge Elimination System (NPDES) General Permit for Construction Activities and the associated San Bernardino County Stormwater Program Model Water Quality Management Plan Guidance.

3.7 Public Utilities

Service Provider

The project area will be served by the appropriate local utility companies who have indicated that they will have the ability to service the area. The project site would be connected to existing utility connections in the right-of-way of 3rd and 5th Streets and Victoria Avenue. Service providers to the area include the following:

Cable and Internet Provider: Various Cable Companies provide cable television service and internet services to the project area. These services are all delivered via a single broadband network of coaxial and fiber-optic cable. Cable offers analog and digital video services, high-speed internet access and other advanced services over its broadband networks.

Electricity: Power service to the proposed project will be provided by Southern California Edison Company (SCE). Southern California Edison, through its subsidiaries, is an electric power generator and distributor, and an investor infrastructure and renewable energy projects. The company operates with a power generation portfolio of approximately 14,000 megawatts. The cost and rate structure to the property owners for these services are controlled by the Public Utilities Commission.

Telephone Service: Telephone service to the proposed annexation development area will be provided by various telecom providers. The project area may require the installation of cable wiring from a backbone facility extended to the site.

Natural Gas: Natural gas would be provided by the Southern California Gas Company. There are existing facilities in the project area. The developer is responsible for local connection to existing mains in the area and the installation of any new meters, if required.

Improvements

The project would be connected to existing utility facilities in the right-of-way of adjacent streets. The project developer would coordinate with the applicable agency regarding the location of existing utility lines and hookups in order to finalize improvement plans. Funding of the regional utility facilities is provided to the project by the individual utility company. The developer is responsible for the costs of extending utilities from the backbone facilities to the project site. Funding for the operation and maintenance for specific utilities is the responsibility of the individual utility through user charges. There are no financial cost impacts to the City's General Fund for these utility services.

3.8 Solid Waste Management

Service Provider

The California Integrated Waste Management Board oversees waste disposal for the City of Highland. The Fontana Refuse Disposal (mid-Valley) and San Timoteo Solid Waste Disposal landfill sites in San Bernardino County are currently used by the City of Highland.

The County of San Bernardino Solid Waste Management Division (SWMD) is responsible for the operation and management of the County of San Bernardino's solid waste disposal system. In addition, the Division administers the County's solid waste handling franchise program and the refuse collection permit program which authorizes and regulates trash collection by private haulers in the unincorporated area. The City of Highland contracts with Burrtec Waste Industries for solid waste collection services city wide and they collect recyclables and green waste as part of the City's waste reduction programs (mandated by AB939).

Solid Waste Level of Service

The City of Highland's mandatory trash and recycling ordinance ensures its contact with Burrtec Waste Industries will increase participation in regular trash collection and recycling programs. The San Timoteo Solid Waste Disposal site is managed by the San Bernardino County Solid Waste Management Department and currently will be the waste facility receiving waste generated from the proposed project (.56 acre site). Recyclable material and Construction waste as collected by Burrtec Waste Industries waste is delivered to certified recycling locations throughout southern California in compliance with AB939.

Improvements

The proposed project (.56 acre site) would not generate significant amounts of solid waste. The proposed project area (.56 acre site) is estimated to contribute less than 8 percent (7.7%) of the solid waste generated by the overall development project. The proposed project would generate approximately 47,000 to 57,000 pounds per year of solid waste – predominantly green waste which will be diverted from landfills and composted. Therefore additional landfill space would not be needed.

The City's franchised waste hauler as noted above is Burrtec Waste Industries, Inc. Burrtec operated under the City's franchise contract and mandatory trash collection ordinance to provide weekly solid waste collection services to all residents, commercial, and Industrial businesses. Trash and recycle collection may require daily increased frequency depending on the type of business is being operated. No additional waste collection facilities or equipment will be needed.

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4 Fiscal Impacts

This Chapter presents the projected annual fiscal impacts of the proposed development by Patriot Partners on the City of Highland at project "build-out." The project site known as "Patriot" consists of 11 parcels, 7.23 gross acres with .56 acres that will be annexed from the City of San Bernardino into the City of Highland corporate boundaries. The overall development project will consist of a 170,066 square foot speculative industrial building located at the southeast corner of 5th Street and Victoria Avenue.

4.1 Overview of Fiscal Impacts (also see Fiscal Analysis Dated May 2024)

City of Highland General Fund. Fiscal impacts are presented in constant 2023 dollars for the City's General Fund and related funds. The projected impacts are based on the project description provided by Patriot Partners as well as an analysis of the City's Adopted 2023-2025 Budget. Discussions with the City and project team staff have assisted in developing the fiscal factors used for the analysis. After "building-out" of the .56 acre site, a recurring General Fund revenue of $9,487 is projected for the proposed annexation project.

City of Highland Fire Department. The City of Highland has a contract with CalFire to provide personnel and maintain fire related services. The City of Highland fiscal policy is to budget 42% of the property tax general levy property tax to fund the City's Fire Department. This annual amount for the .56 acre site is estimated at $1,787.00 for fire operation and maintenance costs.

City of Highland Assessment and Special Districts. The property will be required to join the Consolidated Landscaping and Lighting district which is based on the estimates prior to final occupancy signoff by the City of Highland.

Paramedic Services. The City of Highland has established a special parcel tax of $38 per commercial and industrial parcel annually that will cover paramedic services.

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Appendix A

City of Highland Development Impact Fees

CITY OF HIGHLAND
DEVELOPMENT IMPACT FEES
Effective 4/1/24
Non-Subdivided Development

	Detached Dwelling	Attached Dwelling	Mobile Home	Commercial Lodging	Commercial/ Office	Industrial
Law Enforcement Facilities	$87	$137	$77	$58	$0.049	$0.003
Fire Suppression Facilities, Vehicles & Equipment	$779	$252	$915	$1,237	$0.012	$0.004
Local Circulation System	$2,814	$1,879	$1,465	$1,484	$2.628	$1.818
Regional Circulation System	$16,409	$10,956	$8,539	$8,653	$15.319	$10.599
Regional Flood Control Facilities	$2,687	$946	$1,612	$943	$1.011	$1.250
General Facilities, Vehicles & Equipment	$3,473	$3,473	$3,473	$1,813	$1.930	$1.930
Library Facilities & Collection	$1,563	$1,424	$1,020	N/A	N/A	N/A
Public Use (Community Center Facilities)	N/A	N/A	N/A	N/A	N/A	N/A
Park Land Acquisition & Park Facilities Development	$3,537	$3,220	$2,307	N/A	N/A	N/A
TOTAL:	$31,349	$22,287	$19,408	$14,188	$20.949	$15.604

Notes:

1. Fees applicable City-wide except for East Highlands Ranch which is subject to a different fee schedule. Certain properties fronting Greenspot Road, between Gold Buckle Road and Santa Paula Street, must also pay a Greenspot Impact Fee (Resolution No.1994-037).
2. Fees are per dwelling unit for residential, per lodging unit for commercial lodging, and per gross square footage for commercial or industrial.
3. Fee locked in at time of permit application. (Reso. 2023-040)
4. Fee collected at time of Building permit issuance or occupancy. (Reso. 2023-040)
5. Additional inclusionary housing fees of $3,750 for all new units required per Resolution 2006-020 & Ordinance 306.
6. Certain projects may be charged an impact fee based on the Alternative Cost Methodology for Regional Circulation ($383.95 per trip-mile), and for Local Circulation ($156.00 per trip-mile.)

IMPACT FEE FOR BUILDING EXPANSION
(no charge for first 499 square feet of residential building expansion)

DETACHED DWELLING	$20.899	per square foot
ATTACHED DWELLING	$14.858	per square foot
MOBILE HOME	$12.939	per square foot
COMMERCIAL LODGING	$ 9.459	per square foot
COMMERCIAL/OFFICE	$20.949	per square foot
INDUSTRIAL	$15.604	per square foot

M:\DIF\DIF 2023\DIF 2023 Study\Staff report\Attachments\DIF Fees Handout Non Subdivided Development 4-1-24.doc

Appendix B
References

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Chuck Dantuono, Director of Administrative Services
Extension 224, cdantuono@cityofhighland.org

County of San Bernardino
Auditor/Controller-Recorder

Local Agency Formation Commission of San Bernardino County
Samuel Martinez

Kevin Rice, Property Owner

Appendix K2

LAFCO Fiscal Analysis for Annexation Parcel

Fiscal Analysis

Annexation of .56 Acres, APN 1192-551-01

City of Highland

MAY 2024

City of Highland
27215 Base Line
Highland, CA 92346
(909) 864-6861
cityofhighland.org



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1 Introduction

1.1 Overview

This report presents the Fiscal Analysis for the annexation of approximately .56 gross acres currently in the City of San Bernardino into the City of Highland to facilitate the development of a 173,976 square foot speculative warehouse/distribution facility on a combined 7.23 acre site that currently overlies both the Cities of Highland and San Bernardino. The Local Agency Formation Commission (LAFCO) of the County of San Bernardino requires a jurisdiction to submit a Fiscal Analysis when the jurisdiction is affected by a proposed change in boundaries, formations, or organization.

The subject Analysis identifies the project's valuation and taxable income in addition to costs related to the General Fund, police services, fire services and special districts. The Analysis shows that the annexation will result in nominal fees and costs to the City of Highland given its small size and ultimate industrial build out. The Fiscal Impacts are summarized in Chapter 2.

1.2 Project Location

The development site, in total 7.23 acres, is located in western San Bernardino County at the southeastern corner of 5th Street and Victoria Avenue, north of 3rd Street, east of Victoria Street, south of 5th Street, and west of City Creek Bypass Flood Control Channel (Figure 1, Regional Location Map). Regional access to the project area is provided by Interstate I-10 to the south, I-215 to the west, and State Route SR-210 to the east.

The project site is composed of 11 parcels, one in the City of San Bernardino and 10 in the City of Highland (Assessor's Parcel Numbers [APNs] 1192-551-01 [City of San Bernardino], 1192-551-02, 1192-551-03, 1192-551-04, 1192-551-05, 1192-551-06, 1192-551-07, 1192-551-12, 1192-551-13, 1192-551-14, and 1192-551-15 [City of Highland].

The project proposes to adjust the Sphere of Influence for the City of Highland and to annex APN 1192-551-01 (.56 acre) into the City of Highland, detaching from the City of San Bernardino, which requires formal approval by the Local Agency Formation Commission of San Bernardino County (LAFCO).

1.3 Setting

City of Highland

The City of Highland is a mid-sized California city with approximately 56,000 residents and 18 square miles of territory. Within the City, the pattern of land use transitions from predominantly single and multi-family residential and industrial near the San Bernardino International Airport and Trade Center (SBIA) to predominately single-family residential, commercial, service, and civic center uses to the north. The eastern areas of the City are mostly made up of planned development areas with various residential types, parks, and open space.

Figure 1 Regional Location Map

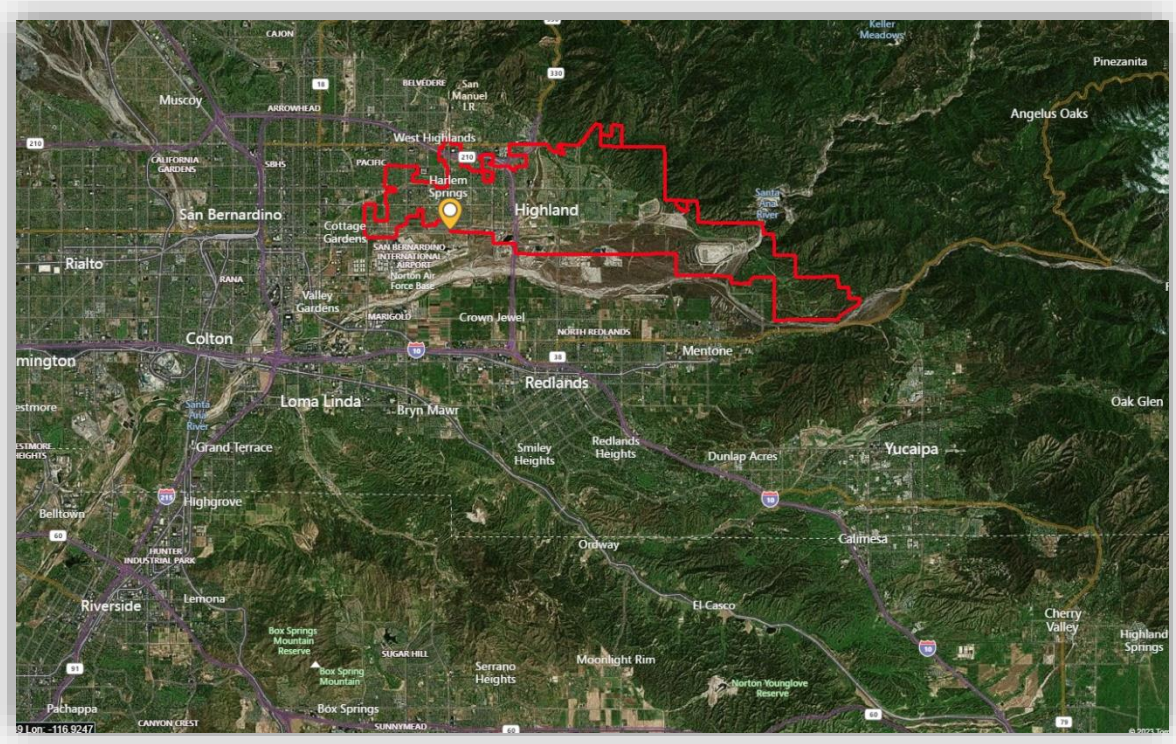
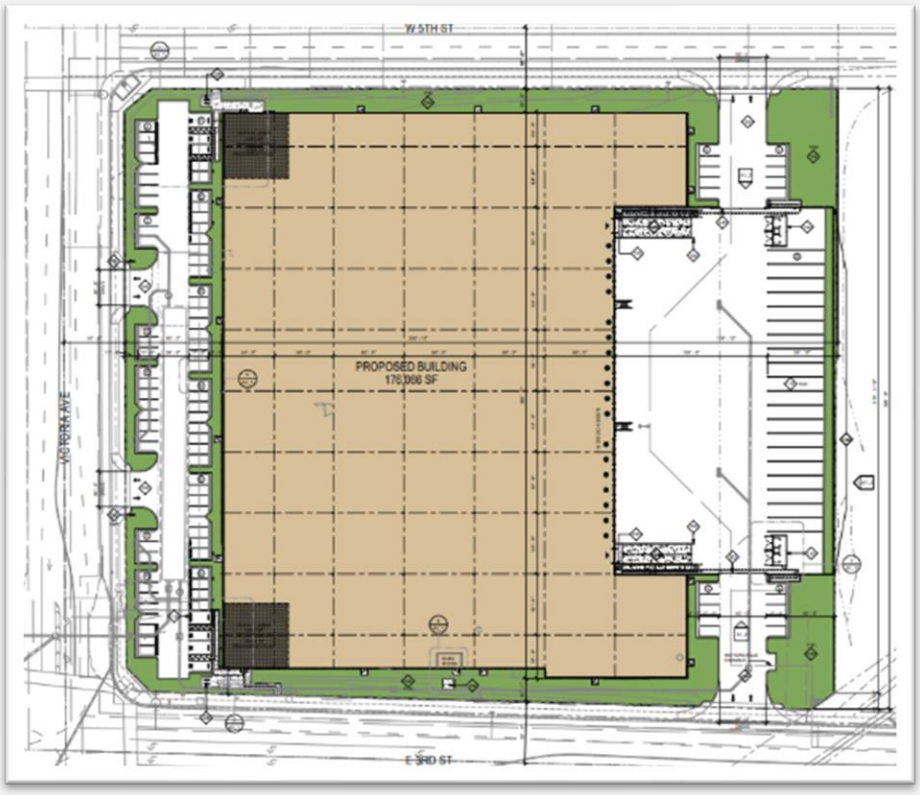


Figure 2. Project Site Map



Parcel to be Annexed

The approximately .56-acre rectangular-shaped parcel is vacant and undeveloped, dominated by disturbed habitat. It is relatively flat and generally slopes down gently from the northeast corner to the southwest corner. The parcel has a City of San Bernardino General Plan Land Use and zoning of Commercial General 1. As part of the Annexation process the City of Highland will pre-zone the subject parcel to Business Park (BP) zoning designation consistent with the overall development project zoning designation.

Surrounding Land Uses

The project site is located within a developed part of the City and is surrounded by a mix of urbanized land uses as depicted below.

Surrounding Land Uses

Direction	Existing Use	General Plan Land Use Designation	Zoning Designation
North	5th Street followed by	City of Highland (Business Park)	City of Highland (Business Park)

Surrounding Land Uses

Direction	Existing Use	General Plan Land Use Designation	Zoning Designation
	industrial uses, vacant parcels, and single-family homes		
East	Vacant land, City Creek Bypass, and commercial/industrial uses including auto repair	City of Highland (Business Park)	City of Highland (Business Park)
South	3rd Street followed by vacant land	City of Highland (Business Park)	City of Highland (Business Park)
West	Victoria Avenue delineating the City of San Bernardino boundary, followed by numerous vacant parcels	City of San Bernardino (Medium Density Residential and Commercial General)	City of San Bernardino (Medium Density Residential and Commercial General)

1.4 Project Description of Future Development

On December 12, 2022, the City of Highland received an application from Patriot Development Partners requesting the following approvals for development of the proposed 5th Street and Victoria Avenue Warehouse/Logistics Project at the subject site including the subject parcel to be annexed and the surrounding property, 7.23 acres in total:

- General Plan Amendment (GPA 23-001)
- Zone Change (ZC 23-001)
- Conditional Use Permit (CUP 22-014)
- Design Review (DRA 22-023)
- Height Variance (No. VAR 22-006)
- Parking Reduction (supported by parking study)
- Tentative Parcel Map 20621 (TPM 23-001)

The application includes land use entitlements and design review for the construction of an approximately one-story industrial/warehouse/logistics facility. The project proposes a 173,976-square-foot, one-story warehouse building composed of approximately 161,976 square feet of warehouse space and 12,000 square feet of mezzanine/office space (Figure 2 – Project Site Plan). The warehouse building would have a maximum height of 45 feet as measured from grade. Given that the City's Municipal Code allows for a maximum height of 35 feet in the Business Park zone, a minor variance (Variance No. VAR 22-006) was requested to accommodate the development project's height. Internally, the project would have a clear height of 36 feet and would not contain any cold storage space. In addition to the building, the project would include landscaped area, passenger vehicle parking spaces, trailer parking spaces, and tractor-trailer loading docks.

On- and Off-Site Improvements

The project includes improvements along the project's street frontage, including landscaping, fencing, street and sidewalk improvements. A variety of trees, shrubs, and groundcovers would be planted within the project frontage's landscape setback area and at project driveways. The .56 acre annexation parcel will contain mostly landscaping and parking field facilities.

Site Access and Parking

Access to the project site would be provided by four driveways: two driveways on the western portion of the site along Victoria Avenue serving passenger cars, and one driveway on the northern portion of the site along 5th Street, and one driveway on the southern portion of the site along 3rd Street serving commercial vehicles. All four driveways would provide both ingress and egress lanes.

Utility Improvements

The project site is currently served by domestic water, sanitary sewer, electrical, natural gas, and telecommunication service. The project would connect to the existing facilities located on and in the immediate vicinity of the project site.

Domestic Water

Domestic water would be provided to the project site by the East Valley Water District (EVWD). The EVWD provides domestic water for the City and for portions of both the City of San Bernardino and San Bernardino County. Water service is provided for residential, commercial, industrial, governmental, and landscaping purposes. A new 2-inch water line would be installed on the western side of the project site to connect to the existing 6-inch water line within the public right-of-way (ROW) along Victoria Avenue to provide domestic and irrigation water service to the site. Fire suppression water service would be provided via connections to existing lines in both Victoria Avenue and 3rd Street.

Sanitary Sewer

The City's sewer system is maintained by the EVWD, which has joint powers with the City of San Bernardino to accept all sewage generated within the EVWD's jurisdictional/service boundaries. The sewage from the City is treated at the San Bernardino Water Reclamation Plant (WRP), operated by the San Bernardino City Municipal Water District. One new 6-inch sewer line would connect to the existing 21-inch sewer line within 5th Street. Future treatment will take place at the newly constructed EVWD Sterling Natural Resources Plant, at the intersection of Del Rosa Drive, between 5th and 6th Streets.

Natural Gas, Electrical Service, and Telecommunications

The Southern California Gas Company would provide natural gas service to the project site. Southern California Edison would provide electric service. The project would connect to existing electrical lines within Victoria Avenue. Telecommunication services are provided by AT&T. The project would connect to these existing facilities.

Storm Drainage

The project site slopes down by approximately 0.7% from the northwest corner to the southwest corner and has about 6 feet of fall from upstream to downstream. Existing runoff sheet flows in a southwesterly direction onto the 3rd Street and Victoria Avenue intersection where it is intercepted by existing catch basins. The collected flow discharges to the 3rd Street storm drain system, followed by the City Creek Bypass Channel, Santa Ana River, and finally enters the Prado Basin near the SR-71 and SR-91 interchange.

The project would involve the construction of a new engineered storm drain system to collect and treat on-site stormwater runoff. The existing drainage pattern would be preserved in post-developed conditions. On-site

stormwater would be collected via a series of roof drains, curbs, gutters, and catch basins before being conveyed to an on-site underground infiltration/detention basin located in the western portion of the site. The infiltration/detention basin would be designed to allow for stormwater flows to infiltrate into the soil. The overflow from the infiltration system would be directed through a proposed 24-inch outlet connecting to the back of the existing catch basin on Victoria Avenue, which discharges to the 3rd Street storm drain system.

2 Fiscal Analysis

2.1 Project Valuation

The project site as it relates to this Analysis is the .56 acre of vacant land at the southeast corner of Victoria Avenue and 5th Street. The development of this small parcel will include landscaping, a parking field, and a small portion of the proposed warehouse development. The $1,399,747 estimated price per acre is calculated based on a sample of three (3) new industrial project locations in the City of Highland area and listed below (source: San Bernardino County Assessor's Office).

	APN:	Owner:	Characteristic:	Assessed Value:	Size in acres:	Levy Tax:
1*	1192-551-01 (subject)	Patriot	Vacant	$1,377,000	.56	$1,377
2	1192-261-12	Patriot	Vacant	$1,224,000	1.1	$1,224
3	1192-491-49	Patriot	Vacant	$2,942,000	2.3	$2,942
			Total	**$5,543,000**	**3.96**	—

* The project site is identified with Assessor's Parcel Number 1192-551-01.

2.2 Taxable Income

The taxable income for the proposed .56 acre site is unknown. However, due to the proposed use of the site for landscaping and parking field within the business park zoning district, it is anticipated the taxable sales will be nominal.

2.3 City of Highland General Fund

Fiscal impacts are presented in constant 2023 dollars for the City's General Fund and related funds. The project impacts are based on the project description provided by Patriot as well as an analysis of the City's Adopted 2023-2025 Budget (City Council Resolution No. 2023-036). Discussions with the City and project team staff have assisted in developing the fiscal factors used for the analysis. Exhibit A summarizes the projected fiscal impacts of the annexation to the City. The City of Highland receives an apportionment of approximately 24.8% from San Bernardino County out of the 1% property tax rate. As shown in Exhibit A, after buildout, Revenues are estimated at $3,414.96 (not including the $38/parcel paramedic tax, sales tax, and Vehicle License Fees) and costs are nominal for the proposed .56 acre annexation site.

2.4 City of Highland Fire Department

The City of Highland has a contract with the California Department of Forestry (CALFIRE) to provide personnel and maintain fire related services. The Fire Department receives 41.67 percent of the General property tax levy. The annual amount is estimated at $1,434.28 for this site that would be allocated for fire operation and maintenance costs.

2.5 City of Highland Police Department

The City of Highland contracts with the San Bernardino County Sheriff Department for Highland Police services. Currently, this contract makes up 57% of the City's General Fund Expenditures for FY 2023/24 or $13,195,330.

2.6 City of Highland Assessment and Special Districts

Two (2) special district assessments and taxes have been established that will be levied on the project upon annexation of this parcel into the City of Highland, 1) Paramedic Services (Medic Tax), an annual special tax of $38 per parcel, and 2) A Consolidated Landscaping and Lighting District fee will be estimated and assessed on the property prior to the City issuing a final occupancy for the development.

2.7 City of San Bernardino General Fund

Based on information from the Auditor-Controller with the County of San Bernardino, the existing property valuation is $1,377,000. The property tax is equal to one and a quarter percent (1.25%) of the existing valuation, or $17,165. The City of San Bernardino will currently receive 17.85 (TBD by LAFCO) percent equal to $3,063.95 annually.

2.8 City of Highland Development Impact Fees (DIFs)

The subject parcel (.56 acre site) will be prezoned to Business Park Zoning and Land Use which requires one acre to develop. As noted above, the site will be merged with contiguous parcels for a total of 7.23 acres after annexation. The City of Highland DIFs, a one-time fee, for the 176,066 development will be $2,747,333.86 ($15.604/sq ft effective on April 1, 2024).

Exhibit A. Fiscal Analysis

EXHIBIT A - FISCAL ANALYSIS						
APN:	1192-551-01-0000					
Parcel Size:	0.56	acres				
San Bernardino Assessor's Assessed Value:				$1,377,000	(as of 11/8/23)	
County General Tax Levy %		1%		$13,770	(as of 11/8/23)	
City of Highland Estimated Recurring Annual Revenues:						
General Tax Levy apportionment %		24.8%		$3,414.96		
Vehicle License Fee x Tax Levy		$1.22		$ 4,166.25		
Paramedic Property Tax (com/indust)		$ 38		$ 38.00		
Lighting & Landscaping Assessment		$ -		$ -	(unknown at this time)	
Estimated Total:				**$7,619.21**		

3 References

City of Highland Community Development Department
Lawrence Mainez, Community Development Director
City of Highland, 27215 Base Line, Highland, California 92346
909.864.6861, Extension 215, lmainez@cityofhighland.org

City of Highland Finance Division
Chuck Dantuono, Director of Administrative Services
City of Highland, 27215 Base Line, Highland, California 92346
909.864.6861, Extension 224, cdantuono@cityofhighland.org

County of San Bernardino
Auditor/Controller/Treasurer/Tax Collector
268 W Hospitality Ln, San Bernardino, California 92415
909.387.8322, https://www.mytaxcollector.com/

County of San Bernardino
Assessor – Recorder - Clerk
222 W Hospitality Ln, San Bernardino, California 92415
855.732.2575, https://arc.sbcounty.gov/

Local Agency Formation Commission (LAFCO) of San Bernardino County
1170 W 3rd St Ste 150, San Bernardino, California 92415
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