APPENDIX A
AIR QUALITY MODELING RESULTS

Murphy Ranch Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Murphy Ranch
Construction Start Date	5/1/2024
Operational Year	2026
Lead Agency	City of Escalon
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.10
Precipitation (days)	25.4
Location	37.7978583630635, -121.01179328193305
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2125
EDFZ	4
Electric Utility	Modesto Irrigation District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.26

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
Single Family Housing	72.0	Dwelling Unit	18.0	140,400	843,326	—	233	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Water	W-7	Adopt a Water Conservation Strategy

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.	4.54	3.76	42.2	33.9	0.10	1.60	19.8	21.4	1.47	10.1	11.6	—	13,259	13,259	0.42	1.09	16.3	13,609
Mit.	4.54	3.76	42.2	33.9	0.10	1.60	7.81	9.41	1.47	3.97	5.45	—	13,259	13,259	0.42	1.09	16.3	13,609
% Reduced	—	—	—	—	—	—	61%	56%	—	61%	53%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	44.1	44.1	11.6	14.4	0.02	0.50	0.28	0.78	0.46	0.07	0.53	—	2,841	2,841	0.12	0.06	0.04	2,862
Mit.	44.1	44.1	11.6	14.4	0.02	0.50	0.28	0.78	0.46	0.07	0.53	—	2,841	2,841	0.12	0.06	0.04	2,862
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.48	2.47	7.72	10.2	0.02	0.31	1.25	1.56	0.29	0.53	0.81	—	2,027	2,027	0.08	0.08	0.61	2,042

Mit.	2.48	2.47	7.72	10.2	0.02	0.31	0.61	0.92	0.29	0.24	0.52	—	2,027	2,027	0.08	0.08	0.61	2,042
% Reduced	—	—	—	—	—	—	51%	41%	—	55%	36%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.45	0.45	1.41	1.86	< 0.005	0.06	0.23	0.28	0.05	0.10	0.15	—	336	336	0.01	0.01	0.10	338
Mit.	0.45	0.45	1.41	1.86	< 0.005	0.06	0.11	0.17	0.05	0.04	0.10	—	336	336	0.01	0.01	0.10	338
% Reduced	—	—	—	—	—	—	51%	41%	—	55%	36%	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.54	3.76	42.2	33.9	0.10	1.60	19.8	21.4	1.47	10.1	11.6	—	13,259	13,259	0.42	1.09	16.3	13,609
2025	1.48	1.24	10.8	14.5	0.02	0.43	0.28	0.71	0.40	0.07	0.47	—	2,855	2,855	0.11	0.06	1.49	2,878
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.56	1.32	11.6	14.4	0.02	0.50	0.28	0.78	0.46	0.07	0.53	—	2,841	2,841	0.12	0.06	0.04	2,862
2025	1.47	1.23	10.8	14.2	0.02	0.43	0.28	0.71	0.40	0.07	0.47	—	2,832	2,832	0.11	0.06	0.04	2,853
2026	44.1	44.1	10.2	14.0	0.02	0.38	0.28	0.66	0.35	0.07	0.42	—	2,824	2,824	0.11	0.06	0.03	2,844
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.92	0.77	7.45	7.61	0.02	0.31	1.25	1.56	0.28	0.53	0.81	—	1,826	1,826	0.07	0.08	0.61	1,853
2025	1.05	0.88	7.72	10.2	0.02	0.31	0.19	0.51	0.29	0.05	0.33	—	2,027	2,027	0.08	0.04	0.46	2,042
2026	2.48	2.47	0.50	0.73	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	116	116	< 0.005	< 0.005	0.02	117
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.17	0.14	1.36	1.39	< 0.005	0.06	0.23	0.28	0.05	0.10	0.15	—	302	302	0.01	0.01	0.10	307

2025	0.19	0.16	1.41	1.86	< 0.005	0.06	0.04	0.09	0.05	0.01	0.06	—	336	336	0.01	0.01	0.08	338
2026	0.45	0.45	0.09	0.13	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	< 0.005	19.3

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.54	3.76	42.2	33.9	0.10	1.60	7.81	9.41	1.47	3.97	5.45	—	13,259	13,259	0.42	1.09	16.3	13,609
2025	1.48	1.24	10.8	14.5	0.02	0.43	0.28	0.71	0.40	0.07	0.47	—	2,855	2,855	0.11	0.06	1.49	2,878
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.56	1.32	11.6	14.4	0.02	0.50	0.28	0.78	0.46	0.07	0.53	—	2,841	2,841	0.12	0.06	0.04	2,862
2025	1.47	1.23	10.8	14.2	0.02	0.43	0.28	0.71	0.40	0.07	0.47	—	2,832	2,832	0.11	0.06	0.04	2,853
2026	44.1	44.1	10.2	14.0	0.02	0.38	0.28	0.66	0.35	0.07	0.42	—	2,824	2,824	0.11	0.06	0.03	2,844
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.92	0.77	7.45	7.61	0.02	0.31	0.61	0.92	0.28	0.24	0.52	—	1,826	1,826	0.07	0.08	0.61	1,853
2025	1.05	0.88	7.72	10.2	0.02	0.31	0.19	0.51	0.29	0.05	0.33	—	2,027	2,027	0.08	0.04	0.46	2,042
2026	2.48	2.47	0.50	0.73	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	116	116	< 0.005	< 0.005	0.02	117
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.17	0.14	1.36	1.39	< 0.005	0.06	0.11	0.17	0.05	0.04	0.10	—	302	302	0.01	0.01	0.10	307
2025	0.19	0.16	1.41	1.86	< 0.005	0.06	0.04	0.09	0.05	0.01	0.06	—	336	336	0.01	0.01	0.08	338
2026	0.45	0.45	0.09	0.13	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	< 0.005	19.3

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.	6.85	6.54	3.50	31.7	0.07	0.10	5.51	5.61	0.09	1.40	1.50	40.0	8,221	8,261	4.37	0.31	24.3	8,488
Mit.	6.85	6.54	3.50	31.7	0.07	0.10	5.51	5.61	0.09	1.40	1.50	38.9	8,212	8,251	4.25	0.31	24.3	8,474
% Reduced	—	—	—	—	—	—	—	—	—	—	—	3%	< 0.5%	< 0.5%	3%	1%	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.26	5.96	3.92	23.7	0.06	0.10	5.51	5.61	0.09	1.40	1.49	40.0	7,725	7,765	4.40	0.34	1.61	7,977
Mit.	6.26	5.96	3.92	23.7	0.06	0.10	5.51	5.61	0.09	1.40	1.49	38.9	7,716	7,754	4.28	0.33	1.61	7,963
% Reduced	—	—	—	—	—	—	—	—	—	—	—	3%	< 0.5%	< 0.5%	3%	1%	—	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.38	6.09	3.68	25.3	0.06	0.10	5.30	5.40	0.09	1.35	1.44	40.0	7,703	7,743	4.38	0.32	10.8	7,958
Mit.	6.38	6.09	3.68	25.3	0.06	0.10	5.30	5.40	0.09	1.35	1.44	38.9	7,694	7,733	4.26	0.32	10.8	7,945
% Reduced	—	—	—	—	—	—	—	—	—	—	—	3%	< 0.5%	< 0.5%	3%	1%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.16	1.11	0.67	4.61	0.01	0.02	0.97	0.98	0.02	0.25	0.26	6.62	1,275	1,282	0.72	0.05	1.79	1,318
Mit.	1.16	1.11	0.67	4.61	0.01	0.02	0.97	0.98	0.02	0.25	0.26	6.43	1,274	1,280	0.71	0.05	1.79	1,315
% Reduced	—	—	—	—	—	—	—	—	—	—	—	3%	< 0.5%	< 0.5%	3%	1%	—	< 0.5%

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	3.16	2.91	2.93	27.4	0.07	0.05	5.51	5.56	0.05	1.40	1.45	—	6,690	6,690	0.24	0.29	23.3	6,806
Area	3.63	3.61	0.04	4.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	10.9	10.9	< 0.005	< 0.005	—	11.0
Energy	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,475	1,475	0.11	0.01	—	1,480
Water	—	—	—	—	—	—	—	—	—	—	—	5.61	45.5	51.1	0.58	0.01	—	69.7
Waste	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	6.85	6.54	3.50	31.7	0.07	0.10	5.51	5.61	0.09	1.40	1.50	40.0	8,221	8,261	4.37	0.31	24.3	8,488
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.95	2.69	3.39	23.4	0.06	0.05	5.51	5.56	0.05	1.40	1.45	—	6,204	6,204	0.27	0.32	0.60	6,306
Area	3.25	3.25	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,475	1,475	0.11	0.01	—	1,480
Water	—	—	—	—	—	—	—	—	—	—	—	5.61	45.5	51.1	0.58	0.01	—	69.7
Waste	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	6.26	5.96	3.92	23.7	0.06	0.10	5.51	5.61	0.09	1.40	1.49	40.0	7,725	7,765	4.40	0.34	1.61	7,977
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.89	2.63	3.13	23.0	0.06	0.05	5.30	5.35	0.05	1.35	1.40	—	6,177	6,177	0.25	0.30	9.83	6,282
Area	3.43	3.42	0.02	2.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	5.39	5.39	< 0.005	< 0.005	—	5.40
Energy	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,475	1,475	0.11	0.01	—	1,480
Water	—	—	—	—	—	—	—	—	—	—	—	5.61	45.5	51.1	0.58	0.01	—	69.7
Waste	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	6.38	6.09	3.68	25.3	0.06	0.10	5.30	5.40	0.09	1.35	1.44	40.0	7,703	7,743	4.38	0.32	10.8	7,958
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.53	0.48	0.57	4.21	0.01	0.01	0.97	0.98	0.01	0.25	0.26	—	1,023	1,023	0.04	0.05	1.63	1,040
Area	0.63	0.62	< 0.005	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.89	0.89	< 0.005	< 0.005	—	0.89
Energy	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	244	244	0.02	< 0.005	—	245
Water	—	—	—	—	—	—	—	—	—	—	—	0.93	7.53	8.46	0.10	< 0.005	—	11.5
Waste	—	—	—	—	—	—	—	—	—	—	—	5.69	0.00	5.69	0.57	0.00	—	19.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Total	1.16	1.11	0.67	4.61	0.01	0.02	0.97	0.98	0.02	0.25	0.26	6.62	1,275	1,282	0.72	0.05	1.79	1,318

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	3.16	2.91	2.93	27.4	0.07	0.05	5.51	5.56	0.05	1.40	1.45	—	6,690	6,690	0.24	0.29	23.3	6,806
Area	3.63	3.61	0.04	4.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	10.9	10.9	< 0.005	< 0.005	—	11.0
Energy	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,475	1,475	0.11	0.01	—	1,480
Water	—	—	—	—	—	—	—	—	—	—	—	4.49	36.4	40.9	0.46	0.01	—	55.8
Waste	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	6.85	6.54	3.50	31.7	0.07	0.10	5.51	5.61	0.09	1.40	1.50	38.9	8,212	8,251	4.25	0.31	24.3	8,474
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.95	2.69	3.39	23.4	0.06	0.05	5.51	5.56	0.05	1.40	1.45	—	6,204	6,204	0.27	0.32	0.60	6,306
Area	3.25	3.25	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,475	1,475	0.11	0.01	—	1,480
Water	—	—	—	—	—	—	—	—	—	—	—	4.49	36.4	40.9	0.46	0.01	—	55.8
Waste	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	6.26	5.96	3.92	23.7	0.06	0.10	5.51	5.61	0.09	1.40	1.49	38.9	7,716	7,754	4.28	0.33	1.61	7,963
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.89	2.63	3.13	23.0	0.06	0.05	5.30	5.35	0.05	1.35	1.40	—	6,177	6,177	0.25	0.30	9.83	6,282
Area	3.43	3.42	0.02	2.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	5.39	5.39	< 0.005	< 0.005	—	5.40
Energy	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,475	1,475	0.11	0.01	—	1,480
Water	—	—	—	—	—	—	—	—	—	—	—	4.49	36.4	40.9	0.46	0.01	—	55.8
Waste	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	6.38	6.09	3.68	25.3	0.06	0.10	5.30	5.40	0.09	1.35	1.44	38.9	7,694	7,733	4.26	0.32	10.8	7,945
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.53	0.48	0.57	4.21	0.01	0.01	0.97	0.98	0.01	0.25	0.26	—	1,023	1,023	0.04	0.05	1.63	1,040
Area	0.63	0.62	< 0.005	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.89	0.89	< 0.005	< 0.005	—	0.89
Energy	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	244	244	0.02	< 0.005	—	245
Water	—	—	—	—	—	—	—	—	—	—	—	0.74	6.02	6.77	0.08	< 0.005	—	9.24
Waste	—	—	—	—	—	—	—	—	—	—	—	5.69	0.00	5.69	0.57	0.00	—	19.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Total	1.16	1.11	0.67	4.61	0.01	0.02	0.97	0.98	0.02	0.25	0.26	6.43	1,274	1,280	0.71	0.05	1.79	1,315

3. Construction Emissions Details

3.1. Demolition (2024) - 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-Roa Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demoliti on	—	—	—	—	—	—	0.56	0.56	—	0.08	0.08	—	—	—	—	—	—	—
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-Roa d Equipm ent	0.09	0.07	0.68	0.60	< 0.005	0.03	—	0.03	0.03	—	0.03	—	93.8	93.8	< 0.005	< 0.005	—	94.2
Demoliti on	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.01	0.12	0.11	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demoliti on	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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	0.08	0.07	0.05	0.85	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	142	142	0.01	0.01	0.57	144
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	0.55	0.13	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	457	457	0.01	0.07	1.10	480

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.60	3.60	< 0.005	< 0.005	0.01	3.65
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	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.01	13.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.60	0.60	< 0.005	< 0.005	< 0.005	0.60
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	—	2.07	2.07	< 0.005	< 0.005	< 0.005	2.17

3.2. Demolition (2024) - 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	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	0.56	0.56	—	0.08	0.08	—	—	—	—	—	—	—
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-Roa Equipment	0.09	0.07	0.68	0.60	< 0.005	0.03	—	0.03	0.03	—	0.03	—	93.8	93.8	< 0.005	< 0.005	—	94.2
Demoliti on	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.01	0.12	0.11	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demoliti on	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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	0.08	0.07	0.05	0.85	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	142	142	0.01	0.01	0.57	144
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	0.55	0.13	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	457	457	0.01	0.07	1.10	480
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.60	3.60	< 0.005	< 0.005	0.01	3.65
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	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.5	12.5	< 0.005	< 0.005	0.01	13.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.60	0.60	< 0.005	< 0.005	< 0.005	0.60
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	—	2.07	2.07	< 0.005	< 0.005	< 0.005	2.17

3.3. Site Preparation (2024) - 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	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.99	0.90	< 0.005	0.04	—	0.04	0.04	—	0.04	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—
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-Roa Equipment	0.02	0.02	0.18	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
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	0.09	0.08	0.05	1.00	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	165	165	0.01	0.01	0.66	168
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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.20	4.20	< 0.005	< 0.005	0.01	4.26
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	< 0.005	< 0.005	—	0.69	0.69	< 0.005	< 0.005	< 0.005	0.71
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 (2024) - 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	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
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	0.12	0.10	0.99	0.90	< 0.005	0.04	—	0.04	0.04	—	0.04	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
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	0.02	0.02	0.18	0.16	< 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	0.00	0.00	0.00	0.00	0.00	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	0.09	0.08	0.05	1.00	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	165	165	0.01	0.01	0.66	168
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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.20	4.20	< 0.005	< 0.005	0.01	4.26
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	< 0.005	< 0.005	—	0.69	0.69	< 0.005	< 0.005	< 0.005	0.71
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 (2024) - 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	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.25	9.25	—	3.66	3.66	—	—	—	—	—	—	—
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	0.23	0.19	1.88	1.65	< 0.005	0.08	—	0.08	0.07	—	0.07	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.20	0.20	—	—	—	—	—	—	—
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	0.04	0.04	0.34	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.04	0.04	—	—	—	—	—	—	—
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	0.06	1.14	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	189	189	0.01	0.01	0.76	192
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	0.26	0.15	7.84	1.86	0.04	0.12	1.68	1.80	0.12	0.46	0.58	—	6,471	6,471	0.14	1.03	15.5	6,796
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.59	9.59	< 0.005	< 0.005	0.02	9.74
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	0.01	0.45	0.10	< 0.005	0.01	0.09	0.10	0.01	0.02	0.03	—	355	355	0.01	0.06	0.37	372
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.61
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	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	58.7	58.7	< 0.005	0.01	0.06	61.6

3.6. Grading (2024) - 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	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621

Dust From Material Movement	—	—	—	—	—	—	3.61	3.61	—	1.43	1.43	—	—	—	—	—	—	—
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	0.23	0.19	1.88	1.65	< 0.005	0.08	—	0.08	0.07	—	0.07	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—
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	0.04	0.04	0.34	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	189	189	0.01	0.01	0.76	192

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	0.26	0.15	7.84	1.86	0.04	0.12	1.68	1.80	0.12	0.46	0.58	—	6,471	6,471	0.14	1.03	15.5	6,796
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.59	9.59	< 0.005	< 0.005	0.02	9.74
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	0.01	0.45	0.10	< 0.005	0.01	0.09	0.10	0.01	0.02	0.03	—	355	355	0.01	0.06	0.37	372
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.61
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	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	58.7	58.7	< 0.005	0.01	0.06	61.6

3.7. Building Construction (2024) - 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	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.36	3.32	3.88	0.01	0.15	—	0.15	0.14	—	0.14	—	708	708	0.03	0.01	—	711
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	0.08	0.06	0.61	0.71	< 0.005	0.03	—	0.03	0.02	—	0.02	—	117	117	< 0.005	< 0.005	—	118
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	0.13	0.12	0.08	1.48	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	245	245	0.01	0.01	0.98	249
Vendor	0.01	0.01	0.28	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	222	222	< 0.005	0.03	0.60	232
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	0.12	0.11	0.11	1.17	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	221	221	0.01	0.01	0.03	224
Vendor	0.01	0.01	0.30	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	222	222	< 0.005	0.03	0.02	232
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	0.04	0.03	0.03	0.35	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	67.0	67.0	< 0.005	< 0.005	0.13	68.1
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	65.5	65.5	< 0.005	0.01	0.08	68.6
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	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	0.01	11.4
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 (2024) - 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	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.42	0.36	3.32	3.88	0.01	0.15	—	0.15	0.14	—	0.14	—	708	708	0.03	0.01	—	711
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	0.08	0.06	0.61	0.71	< 0.005	0.03	—	0.03	0.02	—	0.02	—	117	117	< 0.005	< 0.005	—	118
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	0.13	0.12	0.08	1.48	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	245	245	0.01	0.01	0.98	249
Vendor	0.01	0.01	0.28	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	222	222	< 0.005	0.03	0.60	232
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	0.12	0.11	0.11	1.17	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	221	221	0.01	0.01	0.03	224
Vendor	0.01	0.01	0.30	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	222	222	< 0.005	0.03	0.02	232
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	0.04	0.03	0.03	0.35	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	67.0	67.0	< 0.005	< 0.005	0.13	68.1
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	65.5	65.5	< 0.005	0.01	0.08	68.6
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	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	0.01	11.4

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. Building Construction (2025) - 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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	7.46	9.31	0.02	0.31	—	0.31	0.28	—	0.28	—	1,713	1,713	0.07	0.01	—	1,719
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 Equipm	0.18	0.15	1.36	1.70	< 0.005	0.06	—	0.06	0.05	—	0.05	—	284	284	0.01	< 0.005	—	285
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	0.12	0.11	0.07	1.35	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	240	240	0.01	0.01	0.89	244
Vendor	0.01	0.01	0.27	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	< 0.005	0.03	0.60	228
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	0.11	0.10	0.10	1.07	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	217	217	0.01	0.01	0.02	220
Vendor	0.01	0.01	0.29	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	< 0.005	0.03	0.02	228
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	0.08	0.07	0.06	0.78	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	159	159	< 0.005	0.01	0.27	161
Vendor	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	156	156	< 0.005	0.02	0.18	163
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	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.3	26.3	< 0.005	< 0.005	0.05	26.6
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.8	25.8	< 0.005	< 0.005	0.03	27.0
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. Building Construction (2025) - 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	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	7.46	9.31	0.02	0.31	—	0.31	0.28	—	0.28	—	1,713	1,713	0.07	0.01	—	1,719
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	0.18	0.15	1.36	1.70	< 0.005	0.06	—	0.06	0.05	—	0.05	—	284	284	0.01	< 0.005	—	285
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	0.12	0.11	0.07	1.35	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	240	240	0.01	0.01	0.89	244
Vendor	0.01	0.01	0.27	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	< 0.005	0.03	0.60	228
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	0.11	0.10	0.10	1.07	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	217	217	0.01	0.01	0.02	220
Vendor	0.01	0.01	0.29	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	< 0.005	0.03	0.02	228
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	0.08	0.07	0.06	0.78	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	159	159	< 0.005	0.01	0.27	161
Vendor	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	156	156	< 0.005	0.02	0.18	163
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	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.3	26.3	< 0.005	< 0.005	0.05	26.6
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.8	25.8	< 0.005	< 0.005	0.03	27.0
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. Building Construction (2026) - 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	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.1
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.33	2.33	< 0.005	< 0.005	—	2.34
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	0.99	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	212	212	0.01	0.01	0.02	215
Vendor	0.01	0.01	0.28	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	< 0.005	0.03	0.01	224
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	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.32
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	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
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. Building Construction (2026) - 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	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.1
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.33	2.33	< 0.005	< 0.005	—	2.34
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	0.99	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	212	212	0.01	0.01	0.02	215
Vendor	0.01	0.01	0.28	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	< 0.005	0.03	0.01	224
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	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.32
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	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
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

3.13. Paving (2026) - 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	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.01	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	0.07	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	< 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.57	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	123	123	< 0.005	0.01	0.01	124

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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.90	6.90	< 0.005	< 0.005	0.01	7.00
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	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	< 0.005	1.16
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

3.14. Paving (2026) - 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	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.01	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	0.07	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	< 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.57	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	123	123	< 0.005	0.01	0.01	124
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.90	6.90	< 0.005	< 0.005	0.01	7.00
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	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	< 0.005	1.16
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

3.15. Architectural Coating (2026) - 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	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	43.9	43.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	2.41	2.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.44	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.4	42.4	< 0.005	< 0.005	< 0.005	43.0
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	< 0.005	< 0.005	—	2.38	2.38	< 0.005	< 0.005	< 0.005	2.42
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	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.40
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

3.16. Architectural Coating (2026) - 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	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	43.9	43.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	2.41	2.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Coating	0.44	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.4	42.4	< 0.005	< 0.005	< 0.005	43.0
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	< 0.005	< 0.005	—	2.38	2.38	< 0.005	< 0.005	< 0.005	2.42
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	< 0.005	< 0.005	—	0.39	0.39	< 0.005	< 0.005	< 0.005	0.40
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.16	2.91	2.93	27.4	0.07	0.05	5.51	5.56	0.05	1.40	1.45	—	6,690	6,690	0.24	0.29	23.3	6,806
Total	3.16	2.91	2.93	27.4	0.07	0.05	5.51	5.56	0.05	1.40	1.45	—	6,690	6,690	0.24	0.29	23.3	6,806
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	2.95	2.69	3.39	23.4	0.06	0.05	5.51	5.56	0.05	1.40	1.45	—	6,204	6,204	0.27	0.32	0.60	6,306
Total	2.95	2.69	3.39	23.4	0.06	0.05	5.51	5.56	0.05	1.40	1.45	—	6,204	6,204	0.27	0.32	0.60	6,306
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.53	0.48	0.57	4.21	0.01	0.01	0.97	0.98	0.01	0.25	0.26	—	1,023	1,023	0.04	0.05	1.63	1,040
Total	0.53	0.48	0.57	4.21	0.01	0.01	0.97	0.98	0.01	0.25	0.26	—	1,023	1,023	0.04	0.05	1.63	1,040

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.16	2.91	2.93	27.4	0.07	0.05	5.51	5.56	0.05	1.40	1.45	—	6,690	6,690	0.24	0.29	23.3	6,806
Total	3.16	2.91	2.93	27.4	0.07	0.05	5.51	5.56	0.05	1.40	1.45	—	6,690	6,690	0.24	0.29	23.3	6,806

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	2.95	2.69	3.39	23.4	0.06	0.05	5.51	5.56	0.05	1.40	1.45	—	6,204	6,204	0.27	0.32	0.60	6,306
Total	2.95	2.69	3.39	23.4	0.06	0.05	5.51	5.56	0.05	1.40	1.45	—	6,204	6,204	0.27	0.32	0.60	6,306
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.53	0.48	0.57	4.21	0.01	0.01	0.97	0.98	0.01	0.25	0.26	—	1,023	1,023	0.04	0.05	1.63	1,040
Total	0.53	0.48	0.57	4.21	0.01	0.01	0.97	0.98	0.01	0.25	0.26	—	1,023	1,023	0.04	0.05	1.63	1,040

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.06	0.01	—	807
Total	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.06	0.01	—	807
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.06	0.01	—	807
Total	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.06	0.01	—	807
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	133	133	0.01	< 0.005	—	134
Total	—	—	—	—	—	—	—	—	—	—	—	—	133	133	0.01	< 0.005	—	134

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.06	0.01	—	807
Total	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.06	0.01	—	807
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.06	0.01	—	807
Total	—	—	—	—	—	—	—	—	—	—	—	—	804	804	0.06	0.01	—	807
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	133	133	0.01	< 0.005	—	134
Total	—	—	—	—	—	—	—	—	—	—	—	—	133	133	0.01	< 0.005	—	134

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	671	671	0.06	< 0.005	—	673
Total	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	671	671	0.06	< 0.005	—	673
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	671	671	0.06	< 0.005	—	673
Total	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	671	671	0.06	< 0.005	—	673
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	111	111	0.01	< 0.005	—	111
Total	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	111	111	0.01	< 0.005	—	111

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	671	671	0.06	< 0.005	—	673
Total	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	671	671	0.06	< 0.005	—	673
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	671	671	0.06	< 0.005	—	673
Total	0.06	0.03	0.53	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	671	671	0.06	< 0.005	—	673
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	111	111	0.01	< 0.005	—	111
Total	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	111	111	0.01	< 0.005	—	111

4.3. Area Emissions by Source

4.3.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.00	3.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.38	0.36	0.04	4.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.9	10.9	< 0.005	< 0.005	—	11.0
Total	3.63	3.61	0.04	4.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	10.9	10.9	< 0.005	< 0.005	—	11.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.00	3.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.25	3.25	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	0.55	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	0.03	< 0.005	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.89	0.89	< 0.005	< 0.005	—	0.89
Total	0.63	0.62	< 0.005	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.89	0.89	< 0.005	< 0.005	—	0.89

4.3.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Consumer Product	3.00	3.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.38	0.36	0.04	4.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.9	10.9	< 0.005	< 0.005	—	11.0
Total	3.63	3.61	0.04	4.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	10.9	10.9	< 0.005	< 0.005	—	11.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.00	3.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.25	3.25	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	0.55	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipm	0.03	0.03	< 0.005	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.89	0.89	< 0.005	< 0.005	—	0.89
Total	0.63	0.62	< 0.005	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	0.89	0.89	< 0.005	< 0.005	—	0.89

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	5.61	45.5	51.1	0.58	0.01	—	69.7
Total	—	—	—	—	—	—	—	—	—	—	—	5.61	45.5	51.1	0.58	0.01	—	69.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	5.61	45.5	51.1	0.58	0.01	—	69.7
Total	—	—	—	—	—	—	—	—	—	—	—	5.61	45.5	51.1	0.58	0.01	—	69.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.93	7.53	8.46	0.10	< 0.005	—	11.5
Total	—	—	—	—	—	—	—	—	—	—	—	0.93	7.53	8.46	0.10	< 0.005	—	11.5

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	4.49	36.4	40.9	0.46	0.01	—	55.8
Total	—	—	—	—	—	—	—	—	—	—	—	4.49	36.4	40.9	0.46	0.01	—	55.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	4.49	36.4	40.9	0.46	0.01	—	55.8
Total	—	—	—	—	—	—	—	—	—	—	—	4.49	36.4	40.9	0.46	0.01	—	55.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.74	6.02	6.77	0.08	< 0.005	—	9.24
Total	—	—	—	—	—	—	—	—	—	—	—	0.74	6.02	6.77	0.08	< 0.005	—	9.24

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120

Total	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Total	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	5.69	0.00	5.69	0.57	0.00	—	19.9
Total	—	—	—	—	—	—	—	—	—	—	—	5.69	0.00	5.69	0.57	0.00	—	19.9

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Total	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Total	—	—	—	—	—	—	—	—	—	—	—	34.4	0.00	34.4	3.44	0.00	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	5.69	0.00	5.69	0.57	0.00	—	19.9
Total	—	—	—	—	—	—	—	—	—	—	—	5.69	0.00	5.69	0.57	0.00	—	19.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.01	1.01
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.17	0.17

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	5/1/2024	5/14/2024	5.00	10.0	—
Site Preparation	Site Preparation	5/30/2024	6/13/2024	5.00	10.0	—
Grading	Grading	6/14/2024	7/11/2024	5.00	20.0	—
Building Construction	Building Construction	8/3/2024	1/3/2026	5.00	370	—
Paving	Paving	1/4/2026	2/1/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	2/2/2026	3/2/2026	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	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
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	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
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	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
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	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
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	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38

Grading	Tractors/Loaders/Back	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
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	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
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	15.0	11.9	LDA,LDT1,LDT2
Demolition	Vendor	—	9.10	HHDT,MHDT
Demolition	Hauling	6.40	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—

Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	90.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	25.9	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	7.70	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	5.18	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.9	LDA,LDT1,LDT2
Demolition	Vendor	—	9.10	HHDT,MHDT
Demolition	Hauling	6.40	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—

Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	90.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	25.9	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	7.70	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	5.18	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	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	284,310	94,770	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	5,500	—
Site Preparation	—	—	15.0	0.00	—
Grading	14,500	—	105	0.00	—
Paving	0.00	0.00	0.00	0.00	0.80

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
Single Family Housing	0.80	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	478	0.03	< 0.005
2025	0.00	478	0.03	< 0.005
2026	0.00	478	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
Single Family Housing	680	687	616	245,117	7,658	7,739	6,936	2,761,603

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	680	687	616	245,117	7,658	7,739	6,936	2,761,603

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	100
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	100
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

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)
284310	94,770	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

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)
Single Family Housing	613,851	478	0.0330	0.0040	2,094,482

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)
Single Family Housing	613,851	478	0.0330	0.0040	2,094,482

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	2,928,512	14,467,408

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	2,342,809	11,573,927

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	63.8	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	63.8	—

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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

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

5.15.2. Mitigated

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

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
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.8	annual days of extreme heat
Extreme Precipitation	1.85	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	63.6
AQ-PM	53.8
AQ-DPM	36.1
Drinking Water	53.8
Lead Risk Housing	27.2
Pesticides	86.3
Toxic Releases	98.9
Traffic	18.1
Effect Indicators	—
CleanUp Sites	50.3
Groundwater	45.1
Haz Waste Facilities/Generators	43.3
Impaired Water Bodies	0.00
Solid Waste	86.5

Sensitive Population	—
Asthma	53.6
Cardio-vascular	76.6
Low Birth Weights	25.7
Socioeconomic Factor Indicators	—
Education	51.0
Housing	39.7
Linguistic	18.9
Poverty	45.1
Unemployment	37.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	53.58655203
Employed	86.15424099
Median HI	38.16245348
Education	—
Bachelor's or higher	30.14243552
High school enrollment	24.98395996
Preschool enrollment	70.15270114
Transportation	—
Auto Access	53.75336841
Active commuting	37.05889901
Social	—
2-parent households	8.340818683
Voting	73.72000513

Neighborhood	—
Alcohol availability	45.61786218
Park access	49.71127935
Retail density	26.19017067
Supermarket access	62.13268318
Tree canopy	49.22366226
Housing	—
Homeownership	67.1885025
Housing habitability	48.91569357
Low-inc homeowner severe housing cost burden	37.1872193
Low-inc renter severe housing cost burden	21.18567946
Uncrowded housing	82.07365584
Health Outcomes	—
Insured adults	82.30463236
Arthritis	0.0
Asthma ER Admissions	54.5
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	53.9
Cognitively Disabled	70.6
Physically Disabled	54.0
Heart Attack ER Admissions	21.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0

Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	65.5
Elderly	30.4
English Speaking	69.2
Foreign-born	15.4
Outdoor Workers	22.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	53.2
Traffic Density	13.2
Traffic Access	0.0
Other Indices	—
Hardship	39.8
Other Decision Support	—
2016 Voting	68.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	58.0

Healthy Places Index Score for Project Location (b)	54.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Limited grading work.
Construction: Paving	All paving to be asphalt.
Operations: Hearths	No wood stoves or fireplaces.
Land Use	Actual acreage
Construction: Dust From Material Movement	Estimated grading.

APPENDIX B
BIOLOGICAL RESOURCE MATERIALS

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

San Joaquin County, California



Local office

Sacramento Fish And Wildlife Office

(916) 414-6600
(916) 414-6713

Federal Building

Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

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The following species are potentially affected by activities in this location:

Amphibians

NAME	STATUS
California Tiger Salamander Ambystoma californiense There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/2076	Threatened

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate
Valley Elderberry Longhorn Beetle Desmocerus californicus dimorphus Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/7850	Threatened

Crustaceans

NAME	STATUS
Vernal Pool Fairy Shrimp Branchinecta lynchi Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/498	Threatened
Vernal Pool Tadpole Shrimp Lepidurus packardi Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/2246	Endangered

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Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Managment https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

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What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on

your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Belding's Savannah Sparrow *Passerculus sandwichensis beldingi* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8	Breeds Apr 1 to Aug 15
Bullock's Oriole *Icterus bullockii* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 21 to Jul 25
Common Yellowthroat *Geothlypis trichas sinuosa* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/2084	Breeds May 20 to Jul 31
Lawrence's Goldfinch *Carduelis lawrencei* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9464	Breeds Mar 20 to Sep 20
Nuttall's Woodpecker *Picoides nuttallii* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9410	Breeds Apr 1 to Jul 20
Oak Titmouse *Baeolophus inornatus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9656	Breeds Mar 15 to Jul 15

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Olive-sided Flycatcher Contopus cooperi — Breeds May 20 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3914

Yellow-billed Magpie Pica nuttalli — Breeds Apr 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9726

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

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Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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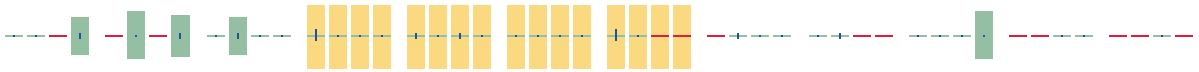
Yellow-billed Magpie
BCC Rangewide (CON)



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

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What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence,

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and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

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Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status	Taxonomic_So
Animals - Amphibians	Ambystoma californiense pop. 1	California tiger salamander - central California DPS	AAAAA01181	Threatened	Threatened	WL	-	3712171	AVENA	Mapped	Animals - Amphibians - Ambystomatidae - Ambystoma californiense pop. 1
Animals - Birds	Buteo swainsoni	Swainsons hawk	ABNKC19070	None	Threatened	-	-	3712171	AVENA	Mapped	Animals - Birds - Accipitridae - Buteo swainson
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3712171	AVENA	Unprocessed	Animals - Birds - Strigidae - Athene cunicularia
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3712171	AVENA	Mapped	Animals - Fish - Acipenseridae - Acipenser medirostris pop. 1
Animals - Fish	Lavinia exilicauda exilicauda	Sacramento hitch	AFCJB19012	None	None	SSC	-	3712171	AVENA	Unprocessed	Animals - Fish - Cyprinidae - Lavinia exilicauda exilicauda
Animals - Fish	Mylopharodon conocephalus	hardhead	AFCJB25010	None	None	SSC	-	3712171	AVENA	Unprocessed	Animals - Fish - Cyprinidae - Mylopharodon conocephalus
Animals - Fish	Hysterocarpus traskii traskii	Sacramento-San Joaquin tule perch	AFCQK02012	None	None	-	-	3712171	AVENA	Unprocessed	Animals - Fish - Embiotocidae - Hysterocarpus traskii traskii
Animals - Fish	Entosphenus tridentatus	Pacific lamprey	AFBAA02100	None	None	SSC	-	3712171	AVENA	Unprocessed	Animals - Fish - Petromyzontidae - Entosphenus tridentatus
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3712171	AVENA	Mapped and Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 11
Animals - Fish	Oncorhynchus tshawytscha pop. 13	chinook salmon - Central Valley fall / late fall-run ESU	AFCHA0205N	None	None	SSC	-	3712171	AVENA	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop 13
Animals - Insects	Bombus occidentalis	western bumble bee	IIHYM24252	None	Candidate Endangered	-	-	3712171	AVENA	Mapped	Animals - Insect - Apidae - Bombus occidentalis
Animals - Insects	Bombus pensylvanicus	American bumble bee	IIHYM24260	None	None	-	-	3712171	AVENA	Mapped and Unprocessed	Animals - Insect - Apidae - Bombus pensylvanicus
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3712171	AVENA	Mapped	Animals - Insect - Cerambycidae Desmocerus

											californicus dimorphus
Animals - Reptiles	Anniella pulchra	Northern California legless lizard	ARACC01020	None	None	SSC	-	3712171	AVENA	Mapped	Animals - Reptiles - Anniellidae - Anniella pulchra

U.S. Fish and Wildlife Service
National Wetlands Inventory

Murphy Ranch



July 17, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

APPENDIX C
CENTRAL CALIFORNIA INFORMATION CENTER LETTER

CENTRAL CALIFORNIA INFORMATION CENTER
California Historical Resources Information System
Department of Anthropology – California State University, Stanislaus
One University Circle, Turlock, California 95382
(209) 667-3307

Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
Project: Murphy Ranch, T2S R9E NW ¼ Section 5, APNs 225-040-28 & 225-040-29

Krista Simpson
BaseCamp Environmental, Inc.
802 West Lodi Ave.
Lodi, CA 95240
209-224-8213 ksimpson@basecampenv.com

Invoice to: rbeck@basecampenv.com

Dear Ms. Simpson:

We have conducted a non-confidential extended records search as per your request for the above-referenced project area located on the Avena USGS 7.5-minute quadrangle map in San Joaquin County.

Search of our files includes review of our maps for the specific project area and the immediate vicinity of the project area, and review of the following:

National Register of Historic Places (NRHP)
California Register of Historical Resources (CRHR)
California Inventory of Historic Resources (1976)
California Historical Landmarks
California Points of Historical Interest listing
Office of Historic Preservation Built Environment Resource Directory (BERD) and the Archaeological Resources Directory (ARD)
Survey of Surveys (1989)
Caltrans State and Local Bridges Inventory
General Land Office Plats
Other pertinent historic data available at the CCaIC for each specific county

The following details the results of the records search:

Prehistoric or historic resources within the project area:

- There are no formally recorded prehistoric or historic archaeological resources or historic buildings or structures within the project area.

- The General Land Office survey plat for T2S R9E (dated 1854) shows the NW ¼ of Section 5 divided into two parcels: 80.7 acres in the north half and 80 acres in the south half.

- The General Land Office survey plat for T2S R9E (dated 1873) shows the NW ¼ of Section 5 divided into three parcels. The north half shows 40.39 acres on the west and 40.37 acres on the east, with 80 acres on the south half.

- The Map of the County of San Joaquin, California (1883) shows Brennan Avenue and French Camp Road (aka SR 120/Yosemite Avenue), with John W. Jones the landowner in Section 5, T2S R9E at that time.

- The 1914 edition of the Avena USGS quadrangle references the railroad, Brennan Road, and French Camp Road/SR 120 alignments.

- The 1952 edition of the Avena USGS quadrangle also references two buildings within the project that would be 71 years in age (or older), considered as possible historical resources. We have no further information on file regarding these buildings.

Prehistoric or historic resources within the immediate vicinity of the project area: None has been formally reported to the Information Center.

Resources that are known to have value to local cultural groups: None has been formally reported to the Information Center.

Previous investigations within the project area: None has been formally reported to the Information Center.

Recommendations/Comments:

Please be advised that a historical resource is defined as a building, structure, object, prehistoric or historic archaeological site, or district possessing physical evidence of human activities over 45 years old. Since the project area has not been subject to previous investigations, there may be unidentified features involved in your project that are 45 years or older and considered as historical resources requiring further study and evaluation by a qualified professional of the appropriate discipline.

If the current project does not include ground disturbance, further study for archaeological resources is not recommended at this time. If ground disturbance is considered a part of the current project, we recommend further review for the possibility of identifying prehistoric or historic-era archaeological resources.

If the proposed project contains buildings or structures that meet the minimum age requirement (45 years in age or older) it is recommended that the resource/s be assessed by a professional familiar with architecture and history of the county. Review of the available historic

building/structure data has included only those sources listed above and should not be considered comprehensive.

If at any time you might require the services of a qualified professional the Statewide Referral List for Historical Resources Consultants is posted for your use on the internet at http://chrisinfo.org

If archaeological resources are encountered during project-related activities**,** work should be temporarily halted in the vicinity of the discovered materials and workers should avoid altering the materials and their context until a qualified professional archaeologist has evaluated the situation and provided appropriate recommendations. Project personnel should not collect cultural resources.

If human remains are discovered, California Health and Safety Code Section 7050.5 requires you to protect the discovery and notify the county coroner, who will determine if the find is Native American. If the remains are recognized as Native American, the coroner shall then notify the Native American Heritage Commission (NAHC). California Public Resources Code Section 5097.98 authorizes the NAHC to appoint a Most Likely Descendant (MLD) who will make recommendations for the treatment of the discovery.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the State Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

We thank you for contacting this office regarding historical resource preservation. Please let us know when we can be of further service. Thank you for sending the **Access Agreement Short Form.**

Note: Billing will be transmitted separately via email from the Financial Services office ($150.00), payable within 60 days of receipt of the invoice.

If you wish to include payment by Credit Card, you must wait to receive the official invoice from Financial Services so that you can reference the CMP # (Invoice Number), and then contact the link below:

https://commerce.cashnet.com/ANTHROPOLOGY

Sincerely,

E. A. Greathouse

E. A. Greathouse, Coordinator
Central California Information Center
California Historical Resources Information System

* Invoice Request sent to: ARBilling@csustan.edu, CSU Stanislaus Financial Services

APPENDIX D
GEOTECHNICAL REPORT

GEOTECHNICAL INVESTIGATION

MURPHY RANCH RESIDENTIAL SUBDIVISION
18092 & 18112 BRENNAN ROAD
ESCALON, CALIFORNIA

for
Florsheim Homes, Inc.
August 31, 2023

BGG Project No. G357.01

Via E-Mail

August 31, 2023
BGG Project No. G357.01

John Pronoitis
Florsheim Homes
1701 West March Lane, Suite D
Stockton, California 95207

Subject: **Geotechnical Investigation**
Murphy Ranch Residential Subdivision
18092 and 18112 Brennan Road
Escalon, California

Dear Mr. Pronoitis:

We have completed a geotechnical investigation for the design and construction of a proposed residential subdivision at the subject site in Escalon, California. The proposed development site is located in the southeast corner of the intersection of Yosemite Avenue/Highway 120 and Brennan Avenue as shown on Plate 1, Vicinity Map. It is our understanding that 73 one-story and two-story, single-family homes are proposed for the approximately 18-acre site. The project will include a 0.9-acre park/basin in the southeast corner and paved streets. Two streets will connect the new subdivision to California Street that runs east-west through the existing neighborhood south of the site. The Murphy Ranch site is relatively flat, hence minor grading is anticipated.

PURPOSE AND SCOPE OF SERVICES

The purpose of our investigation was to evaluate the subject site with respect to soil and groundwater conditions, and to provide geotechnical recommendations for the design and construction of the proposed subdivision improvements. The scope of our services included a review of available, published geologic literature covering the site, field exploration, laboratory testing, engineering analyses, and preparation of this report.

FIELD EXPLORATION AND LABORATORY TESTING

Our field exploration was conducted on June 20, 2023, which consisted of drilling eight borings at the site to depths of up to 50-feet below the ground surface (bgs). The borings were drilled using a truck-mounted drill rig equipped with solid flight augers in the locations shown on Plate 2, Site Plan. Materials encountered in the borings were visually classified in the field and logs were recorded. Bulk soil samples and driven Standard Penetration Test (SPT) and Modified California split spoon tube soil samples were obtained for laboratory testing. The borings were backfilled with drill cuttings upon completion. The boring logs, showing soil classifications and blow counts, are contained in Appendix A.

LABORATORY TESTING

Laboratory testing included tests for in-situ moisture and density, sieve analyses, consolidation/swell, direct shear, R-Value, and soil corrosivity. R-Values of 16 and 27 were obtained for bulk soil samples obtained from borings B4 and B8, respectively, at depths of 1 to 2-feet bgs. Some of the laboratory test results are summarized below and within the boring logs, and the complete test results are contained in Appendix B.

LABORATORY TEST RESULTS – SIEVE AND DIRCT SHEAR

Location and Depth	Soil Type	Percent Passive No. 200 Sieve (1)	Friction Angle (degrees)	Cohesion (psf)
B4: 2.5-3-ft	SM – Silty Sand	47%	---	---
B2: 3.5-4-ft	SM – Silty Sand	---	34 deg Peak 33 deg Residual	Zero Peak and Residual
B3: 5-5.5-ft	SM – Silty Sand	---	30 deg Peak 28 deg Residual	Zero Peak and Residual

(1) Percent silt and clay sized particles.

Consolidation/swell tests consisted of loading a relatively undisturbed soil samples with an initial seating load approximately equivalent to the in-situ overburden pressure, then recording the amount of long-term consolidation/swell after adding a surcharge load of 2,500 psf and again after saturation.

LABORATORY TEST RESULTS – CONSOLIDATION/SWELL

Location and Depth	Soil Type	Percent Moisture In-situ / Saturation	Consolidation or Swell (2)	Consolidation or Swell (3)
B7: 2.5-3-ft	SM – Silty Sand	12.5% / 80%	-1.7%	-0.2%
B1: 3-3.5-ft	SM – Silty Sand	14.8% / 89%	-2.4%	0%
B4: 3-3.5-ft	SM – Silty Sand	7.7% / 38%	-1.0%	-2.4%
B6: 3.5-4-ft	SM/ML – Silty Sand to Sandy Silt	12.7% / 68%	-0.5%	-0.1%

(2) Consolidation or swell percent after adding surcharge load
(3) Additional consolidation or swell after saturation

A sample containing soil from a depth of 5.5- to 6-feet in boring B1 was submitted to CERCO Analytical, a state-certified analytical laboratory, in Concord, California. A suite of corrosion tests was performed on the sample, including tests for Redox, pH, Resistivity, Sulfides, Chlorides, and Sulfates. The test results and a brief evaluation are contained in Appendix C. These results should be provided to the project structural engineer and underground utility designers.

GEOTECHNICAL AND GEOLOGICAL FINDINGS

SITE DESCRIPTION

The site is bounded by railroad tracks and Yosemite Avenue/Highway 120 on the north, residential development on the east and south, and Brennan Road on the west. An existing mixed-use park/storm

drain basin is adjacent to the southeast corner of the site. Two residences are located in the western portion of the site with access from Brennan Road, and several nonpermanent shed and shade structures are located around the residences. A concrete masonry unit (CMU) barn is located near the southern property boundary, east of the south residence. The remainder of the site is currently fallow, with a small portion on the west divided by fencing, and the larger, eastern portion in use for cattle grazing. The site is relatively flat with surface elevations varying between about 110-feet to 115-feet above mean sea level (MSL).

SUBSURFACE CONDITIONS

According to the US Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey, the upper five to six feet of the site is mantled predominantly by the Veritas fine sandy loam soil series, with a small area of the southwest portion of the site underlain by the Delhi loamy sand and Nocut sandy loam soil series. These soils are similar and are reported to have 85 to 100 percent passing the No. 4 sieve (minimal gravel-sized particles), 35 to 50 percent passing the No. 200 sieve (silt- and clay-sized particles), Liquid Limits between zero and 35, and Plasticity Index between zero and 10. The Veritas fine sandy loam soils reportedly have hardpan at depths between 4 to 6 feet bgs. The soils are classified to be in Hydrologic Group A, with reported infiltration rates of 2 to 6 inches per hour (except for the relatively impermeable hardpan).

The following is a general description of the soils encountered in our borings. More detailed descriptions of the subsurface soil conditions recorded at the site are contained in the boring logs in Appendix A.

- The upper foot of soil mantling the site consisted of silty sand with fine gravel and some organics.
- The upper 4 to 8-feet of soil consisted of medium dense silty sand. However, loose silty sand was encountered in the upper 2 to 5-feet in borings B1, B2 and B8 in the western portion of the site.
- The soil below the upper silty sands consisted of alternating layers of medium dense silty sand and hardpan.
- The deeper soils (from about 18 to 28 feet bgs to a depth of 50-feet) consisted of alternating layers of very dense silty sand and hardpan.

GROUNDWATER

According to the California Water Data Library, four wells are located within about 1½-miles from the site. Groundwater levels in these nearby wells are reported to be more than 50-feet-deep. Groundwater was not encountered in our deepest boring B1, which was drilled to a maximum depth of 50-feet bgs. Numerous factors contribute to groundwater level fluctuations including precipitation, irrigation, and well pumping. A detailed evaluation of these and other factors, which may be responsible for groundwater fluctuations, was beyond the scope of this investigation.

RELEVANT GEOLOGIC HAZARDS

The site is proximal to a seismic region, and will experience moderate shaking from distant, large earthquakes. The site-modified peak ground acceleration (PGA), according to the ASCE 7 Hazard Tool website, is 0.35g for the site. The site is not located in a California designated earthquake fault zone, hence the potential for surface fault rupture to occur at the site is nil. The central valley is susceptible to subsidence from groundwater withdrawal; determining the settlement impacts from subsidence was beyond the scope of this study.

Liquefaction is the temporary transformation of saturated, loose to medium dense, sandy and silty soils from a solid state to a liquid state due to strong ground shaking during a major earthquake. It is our opinion that the potential is low for liquefaction induced phenomena to impact the proposed structures due to the low seismic loading and very dense sandy soil.

CONCLUSIONS AND RECOMMENDATIONS

GENERAL

We conclude, from a geotechnical engineering standpoint, that the proposed development can generally be constructed as planned, provided that the conclusions and recommendations contained in this report are incorporated into the project design and during construction. The predominant geotechnical consideration for the project is the presence of loose soil in the upper 2 feet bgs. This material will need to be reworked as engineered fill in building pad and fill areas.

SITE PREPARATION AND GRADING

Our general site preparation and grading recommendations are as follows:

1. The site should be cleared of existing vegetation, including trees and their root balls.
2. Existing structures should be demolished, including their foundations, underground utility lines, and septic systems.
3. The excavations from demolition should be backfilled with engineered fill.
4. The upper 2-feet of existing ground in building pad areas (both cut and fill conditions) should be reworked by overexcavating the upper foot and then scarifying the overexcavation bottom to a depth of one foot, for a total rework depth of 2-feet.
5. If zones of soft or loose soil are encountered during grading operations, overexcavation of the loose soils may be required to expose deeper, firm soils. This should be determined in the field by the soils engineer.
6. Engineered fill soils should be moisture conditioned to above the optimum moisture content and compacted to at least 90 percent relative compaction. Relative compaction refers to the in-place dry density of the soil expressed as a percentage of its maximum dry density, as determined by ASTM D1557 compaction test procedure. Optimum moisture is the water content (percentage by dry weight) corresponding to the maximum dry density.
7. Fill should be properly moisture conditioned and placed in thin lifts (normally 6 to 8 inches depending on the compaction equipment utilized) and compacted as prescribed above.

8. The onsite soils are generally suitable for engineered fill, provided they are free of debris, significant vegetation, rocks greater than 4 inches in largest dimension, and other deleterious matter. Debris, if encountered during grading, will need to be removed from the site.
9. Import fill, if required, should be subject to the evaluation of the soil engineer prior to its use. Import fill should be predominantly sandy and should contain no deleterious matter or rocks greater than 4 inches in largest dimension.
10. Observations and soil density tests should be performed during site grading and backfilling to assist the contractor in obtaining the required degree of compaction and proper moisture content. Where the compaction is outside the range required, additional effort and adjustments to the moisture content should be made until the specified compaction and moisture conditioning are achieved.
11. The soils engineer should be notified at least 48 hours prior to any grading operations. The procedure and methods of grading may then be discussed between the contractor and the soils engineer.

UTILITY TRENCH EXCAVATION AND BACKFILL

Excavations should conform to applicable State and Federal industrial safety requirements. Temporary trench sidewalls more than 4-feet deep may have to be laid back to 1H:1V or flatter to be stable. Flatter trench slopes may be required if seepage is encountered during construction or if exposed soil conditions are conducive to instability.

Materials quality, placement procedures, and compaction operations for utility line bedding and shading materials should meet municipal, utility, or other applicable agency requirements. Utility trench backfill above the shading materials may consist of the onsite soils processed to remove rubble, rock fragments over 4 inches in largest dimension, rubbish, vegetation, and other undesirable substances. Backfill materials should be placed in level lifts, about 8 to 10 inches in loose thickness, moisture conditioned, and mechanically compacted to at least 90 percent relative compaction.

CALIFORNIA BUILDING CODE (CBC) SEISMIC DESIGN PARAMETERS

The subject site is located at approximately 37.7978 degrees north latitude and -121.0116 degrees west longitude. The site is located within a large, deep alluvial valley; hence, the structural engineer should utilize Site Class D – Stiff Soil for determining seismic response spectra parameters. According to the ASCE 7 Hazard Tool website (utilizing ASCE7-16), the site modified peak ground acceleration is 0.35g. Alternately, the site modified peak ground acceleration utilizing ASCE7-22 is 0.36g.

FOUNDATIONS

It is our opinion, from a geotechnical engineering standpoint, that shallow foundations can support the proposed residences. We recommend that the following criteria be incorporated in the design of shallow foundations.

SHALLOW STRIP AND ISOLATED FOOTINGS

Allowable Bearing Capacity (DL + LL) (may be increased by one-third for temporary seismic and wind loads, at the discretion of the structural engineer)	2,000 psf for 12-inches deep 2,500 psf for 18-inches deep
Allowable Passive Equivalent Fluid Pressure (neglect the upper foot)	350 pcf
Allowable Base Friction Coefficient	0.30
Minimum Footing Depth Below Lowest Adjacent Finished Grade	12-inches – one-story 18-inches – two-story

The following are our recommendations for the design of drilled, reinforced concrete piers:

DRILLED REINFORCED CONCRETE PIERS

Allowable Skin Friction, Vertically Down Ignore the upper foot	350 psf
Allowable Skin Friction, Vertically Up Ignore the upper foot	200 psf
Allowable Lateral Passive Resistance, equivalent fluid pressure, acting on 2 pier diameters, ignore the upper foot	350 pcf
Minimum Pier Diameter	12 inches

CONCRETE SLAB-ON-GRADE FLOORS

Concrete slab-on-grade floors should be at least 5-inches-thick, reinforced with reinforcing bars, and can be supported directly on the properly prepared subgrade soils. The subgrade soil should be moisture conditioned to above optimum moisture and compacted to at least 90% relative compaction. Where moisture vapor through the floor slab would be objectionable, the use of a vapor retarder may be necessary. From a geotechnical standpoint, we do not require a layer of sand above the vapor retarder. We suggest utilizing ASTM E1745 and ASTM E1643 as guidelines for the vapor retarder material and installation.

During foundation and/or utility trench excavation, previously compacted subgrade soils may become disturbed. Before placement of concrete slabs, the disturbed subgrade soil should be moisture conditioned and compacted according to the requirements outlined under the section titled "Site Preparation and Grading" in this report. Subgrade soils should be maintained in a moist and compacted condition until covered with the complete slab section.

RETAINING WALLS

The following lateral pressures should be utilized in the design for retaining walls. The recommended lateral pressures assume drained conditions and that retaining walls will have drainage. Exterior retaining walls less than 2-feet-tall do not require drainage.

Active Equivalent Fluid Pressure (Level backfill and drained conditions)	30 pcf
At-Rest Equivalent Fluid Pressure (Level backfill and drained conditions)	50 pcf
Surcharge Load, where applicable	Designated by structural engineer

PAVEMENT RECOMMENDATIONS

We are providing recommendations for structural pavement that will be supported by the onsite soils. Our pavement analyses are based upon an R-Value of 15 using the Caltrans Design Method for Flexible Pavement for a 20-year design life. The following are our recommendations for Asphalt Concrete (AC) pavement sections along with their corresponding traffic indices (TI), which are indications of load frequency and intensity.

AC PAVEMENT SECTIONS

Traffic Index	AC (in)	Class 2 AB (in)	Total (in)
TI=4.5	3	6	9
TI=5	3	8	11
TI=6	3	12	15
TI=7	4	14	18

The upper foot of the subgrade soils in pavement areas should be compacted to at least 95 percent relative compaction and rolled to provide a smooth, unyielding surface. Class 2 aggregate base (AB) should also be compacted to at least 95 percent relative compaction in pavement areas.

Concrete pavements that will support heavy trucks and aprons around trash enclosures should be at least 6-inches-thick, reinforced, and underlain by at least 6-inches of Class 2 AB. Subgrade soils beneath Portland Cement Concrete (PCC) pavements should be rolled to at least 90 percent relative compaction to provide a smooth, unyielding surface.

ADDITIONAL SOIL ENGINEERING SERVICES

To a degree, the performance of the proposed project is dependent on the procedures and quality of the construction. Therefore, we should provide observation of the contractor's procedures and the exposed soil conditions, and field and laboratory testing during site preparation and grading, placement and compaction of fill, underground utility and retaining wall backfilling, foundation construction, and pavement construction. These observations will allow us to check the contractor's work for conformance with the intent of our recommendations and to observe any unanticipated soil conditions that could require modification of our recommendations. In addition, we would welcome the opportunity to meet with the contractor prior to the start of earthwork operations to discuss the procedures and methods of construction. This can facilitate the performance of the construction operation and minimize possible misunderstanding and construction delays.

LIMITATIONS

The conclusions and recommendations contained in this report are based upon the information provided to us regarding the proposed site improvements, subsurface conditions encountered in our field explorations, laboratory testing, and professional judgment. This study has been conducted in accordance with current professional geotechnical engineering standards; no other warranty is expressed or implied.

If changes are planned or implemented regarding the nature, design, and/or location of the proposed improvements, or if it is found during construction that subsurface conditions differ from those described in this report, then the conclusions and recommendations in this report shall be considered invalid, unless the changes are reviewed, and the conclusions and recommendations are modified or approved in writing.

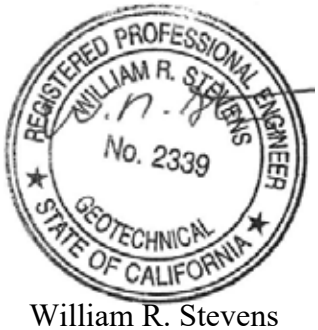
Should you have questions or need additional information, please contact us. We appreciate the opportunity to provide professional services to you and to be involved in the design of this project.

Respectfully submitted,

BAEZ GEOTECHNICAL GROUP



Stefanie Parman-Ribeiro
Project Engineer



William R. Stevens
Principal Engineer
GE 2339

Attachments:

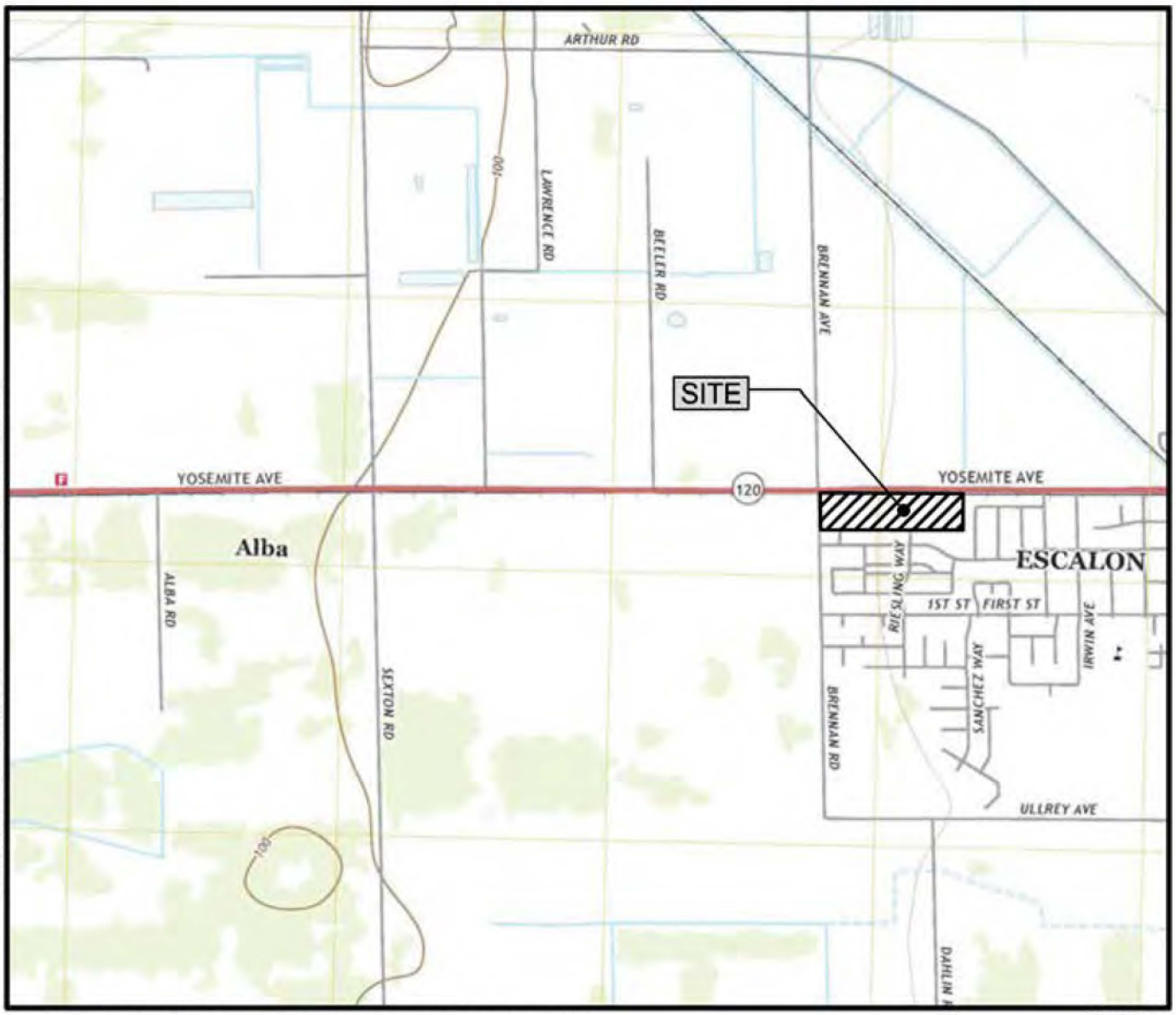
- Plate 1 – Vicinity Map
- Plate 2 – Site Plan
- Appendix A – Boring Logs
- Appendix B – Laboratory Test Results – Geotechnical
- Appendix C – Laboratory Test Results – Soil Corrosivity

E://1-BGG/G357-Murphy Ranch/01 GI/Report/GI G357 FS Murphy Escalon.docx

DRAWN BY: SPR

DATE: 08/10/2023

BGG NUMBER: G357.01



BASE: PORTION OF U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, AVENA, CALIFORNIA, PHOTOREVISED 2021, AT A SCALE OF 1:24,000.

0 2000

1 INCH = 2000 FEET

VICINITY MAP

MURPHY RANCH

18092 & 18112 BRENNAN ROAD

APNs: 225-04-028 & 225-04-029

ESCALON, CALIFORNIA

FOR

FLORSHEIM HOMES, INC.

BAEZ GEOTECHNICAL GROUP

PLATE 1

DRAWN BY: SPR

DATE: 08/21/2023

BGG NUMBER: G357.01



BASE: GOOGLE EARTH IMAGE 4/6/2022 & SHEET 1, SKETCH 'E', FOR MUPRHY RANCH, BY ASSOCIATED ENGINEERING GROUP, JOB #99-19, DATED 5/3/22.

BAEZ GEOTECHNICAL GROUP

EXPLANATION

B8 APPROXIMATE BORING LOCATION

SITE PLAN

MURPHY RANCH

18092 & 18112 BRENNAN AVENUE

ESCALON, CALIFORNIA

FOR

FLORSHEIM HOMES, INC.

APPENDIX A

Boring Logs

BORING NUMBER: B1

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 110 feet above mean sea level (MSL)
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler; Standard Penetration Test; Bulk Sample

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
AC	3-inches Asphalt Concrete (AC)	110	0						
SM	SILTY SAND, medium brown, moist to very moist, loose, fine- to coarse-grained sand, with fine gravel to ¼-inch size (Sample consolidated 1.0% with a 2,500 psf load and an additional 2.4% upon saturation)	105	5		5	110	7.7		
ML	SANDY SILT, gray, tan, and orange with gold mottling, slightly moist, hard [HARDPAN]				50/6”				
SM	SILTY SAND, tan and medium brown with mottled dark red and rust-orange, slightly moist, very dense, fine- to medium-grained sand [HARDPAN]	100	10		50/6”				
SM	SILTY SAND, tan and medium brown with mottled dark red and rust-orange, moist, medium dense to dense, fine- to medium-grained sand	95	15		27				
		90	20		37				

BORING NUMBER: B1

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 110 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler
Standard Penetration Test

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM	SILTY SAND, tan and medium brown with mottled dark red and rust-orange, moist, medium dense to dense, fine- to medium-grained sand	90	20						
		85	25						
SM	SILTY SAND, medium brown with dark brown mottling, moist, very dense, fine- to coarse-grained sand [HARDPAN]				50/6”				
		80	30						
		75	35						
SM/ SP	SILTY SAND to SAND with SILT and GRAVEL, tan to medium brown with light and dark gray mottling, slightly moist to moist, very dense, fine- to coarse-grained sand, rounded gravel to ½-inch diameter								
		70	40		68				

BORING NUMBER: B1

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 110 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler
Standard Penetration Test

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM/ SP	SILTY SAND to SAND with SILT and GRAVEL, tan to medium brown with light and dark gray mottling, slightly moist to moist, very dense, fine- to coarse- grained sand, rounded gravel to ½-inch diameter	70	40						
		65	45						
SM	SILTY SAND, medium brown with gray, rust-orange, and dark brown mottling, moist, very dense, fine- to coarse-grained sand	60	50		79				
	Bottom of Boring at 50 feet below the ground surface (bgs). Groundwater not encountered.	55	55						
		50	60						

BORING NUMBER: B2

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 109 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler
Standard Penetration Test

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM	SILTY SAND, medium brown, moist to very moist, loose to medium dense, fine- to coarse-grained sand, with fine gravel to ¼-inch size	109	0						
	with organics in upper foot								
	(c = 0 psf, ϕ = 34 degrees)				9	112	4.6		
		104	5						
	below 6 feet, medium dense				11				
SM/ ML	SILTY SAND to SANDY SILT, tan and medium brown with mottled dark red and rust-orange, slightly moist, very dense to hard, fine- to medium-grained sand [HARDPAN]				75/6”				
	Bottom of Boring at 9½ feet bgs. Groundwater not encountered.	99	10						
		94	15						
		89	20						

BORING NUMBER: B3

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 112 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler
Standard Penetration Test

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM	SILTY SAND, medium brown, moist to very moist, medium dense, fine- to coarse-grained sand, with fine gravel to ¼-inch size	112	0						
	with organics in upper foot				12				
	(c = 0 psf, ϕ = 30 degrees)	107	5		11	115	6.2		
SM/ ML	SILTY SAND to SANDY SILT, tan and medium brown with mottled dark red and rust-orange, slightly moist, very dense to hard, fine- to medium-grained sand [HARDPAN]				50/6”				
	Bottom of Boring at 8½ feet bgs. Groundwater not encountered.	102	10						
		97	15						
		92	20						

BORING NUMBER: B4

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 114 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler; Standard Penetration Test; Bulk Sample

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM	SILTY SAND, medium brown, moist to very moist, medium dense, fine- to coarse-grained sand, with fine gravel to ¼-inch size with organics in upper foot	114	0						
SM	SILTY SAND, medium brown with red-brown, very moist, medium dense, fine- to coarse-grained sand (Sample consolidated 2.4% with a 2,500 psf load and did not consolidate further upon saturation)	109	5		16	116	15.0		47
SM/ML	SILTY SAND to SANDY SILT, medium brown with mottled dark red and rust orange, slightly moist, very dense to hard, fine- to medium-grained sand [HARDPAN]				26 50/6"				
	Bottom of Boring at 9½ feet bgs. Groundwater not encountered.	104 99 94	10 15 20						

BORING NUMBER: B5

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 113 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler
Standard Penetration Test

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM	SILTY SAND, medium brown, moist to very moist, medium dense, fine- to coarse-grained sand, with fine gravel to ¼-inch size with organics in upper foot	113	0		26				
SM/ ML	SILTY SAND to SANDY SILT, tan and gray, moist, medium dense to very stiff, fine- to medium-grained sand	108	5						
SM/ ML	SILTY SAND to SANDY SILT, tan to medium brown with mottled dark red, rust-orange, and gray, slightly moist, very dense to hard, fine- to medium-grained sand [HARDPAN]				70/3"				
ML	SANDY SILT, tan to medium brown with gray and rust-orange mottling, moist, very stiff, fine- to medium-grained sand	103	10		26				
	Bottom of Boring at 11½ feet bgs. Groundwater not encountered.	98	15						
		93	20						

BORING NUMBER: B6

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 114 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler
Standard Penetration Test

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM	SILTY SAND, medium brown, moist to very moist, medium dense, fine- to coarse-grained sand, with fine gravel to ¼-inch size with organics in upper foot	114	0						
SM	SILTY SAND, medium brown with red-brown, very moist, medium dense, fine- to coarse-grained sand								
SM/ ML	SILTY SAND to SANDY SILT, tan to medium brown with mottled dark red, rust-orange, and gray, slightly moist, very dense to hard, fine- to medium-grained sand [HARDPAN] (Sample consolidated 0.5% with a 2,500 psf load and consolidated an additional 0.1% upon saturation)	109	5		50/6"	112	12.7		
					50/6"				
	Bottom of Boring at 8 feet bgs. Groundwater not encountered.	104	10						
		99	15						
		94	20						

BORING NUMBER: B7

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 113 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler
Standard Penetration Test

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM	SILTY SAND, medium brown, moist to very moist, medium dense, fine- to coarse-grained sand, with fine gravel to ¼-inch size with organics in upper foot	113	0						
SM	SILTY SAND, medium brown with red-brown, very moist, medium dense, fine- to coarse-grained sand (Sample consolidated 1.7% with a 2,500 psf load and consolidated an additional 0.2% upon saturation)				18	120	12.5		
ML	SANDY SILT, gray, tan, and orange with gold mottling, slightly moist, hard [HARDPAN]	108	5		50/6”				
SM	SILTY SAND, tan and medium brown with mottled dark red and rust-orange, slightly moist, very dense, fine- to medium-grained sand [HARDPAN]	103	10		50				
SM/ SP	SILTY SAND to SAND with SILT, tan to light brown with mottled gray and rust-orange, slightly moist, very dense, fine- to coarse-grained sand	98	15		52				
		93	20						

BORING NUMBER: B7

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 113 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler
Standard Penetration Test

USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM/ SP	SILTY SAND to SAND with SILT, tan to light brown with mottled gray and rust-orange, slightly moist, very dense, fine- to coarse-grained sand	93	20						
		88	25						
SM	SILTY SAND, medium brown with dark brown mottling, moist, very dense, fine- to coarse-grained sand [HARDPAN]				50/6"				
	Bottom of Boring at 29 feet bgs. Groundwater not encountered.	83	30						
		78	35						
		73	40						

BORING NUMBER: B8

PROJECT NAME: Murphy Ranch
PROJECT NUMBER: G357.01
DATE DRILLED: 06/20/2023
DRILLING CONTRACTOR: West Coast Exploration
DRILLING METHOD: SIMCO 2400 with solid flight auger
LOGGED BY: KR
NOTES: Elevation obtained from Google Earth

PROJECT LOCATION: 18092 & 18112 Brennan Road, Escalon
CLIENT: Florsheim Homes, Inc.
GROUND ELEVATION: 113 feet MSL
GROUNDWATER ELEVATION: Not encountered
SAMPLER TYPE:
Modified California Sampler; Standard Penetration Test; Bulk Sample

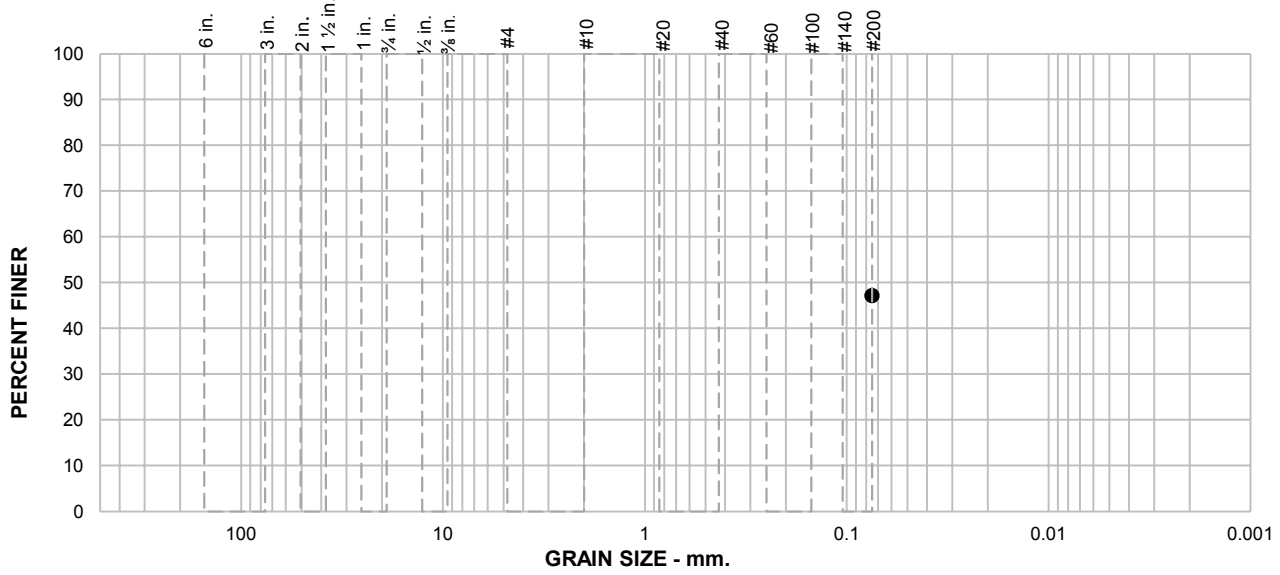
USCS	MATERIAL DESCRIPTION	ELEVATION (feet)	DEPTH (feet)	SAMPLER	BLOW COUNT (blows/foot)	DRY UNIT WEIGHT (pcf)	MOISTURE CONTENT (%)	PLASTICITY INDEX	FINES CONTENT % PASSING #200
SM	SILTY SAND, medium brown, moist to very moist, loose to medium dense, fine- to coarse-grained sand, with fine gravel to ¼-inch size with organics in upper foot	113	0						
					8				
		108	5						
SM/ ML	SILTY SAND to SANDY SILT, medium brown with mottled dark red and rust-orange, slightly moist, very dense to hard, fine- to medium-grained sand [HARDPAN]				50/6”				
	Bottom of Boring at 6½ feet bgs. Groundwater not encountered.	103	10						
		98	15						
		93	20						

APPENDIX B

Geotechnical Laboratory Test Results

PARTICLE SIZE DISTRIBUTION REPORT

ASTM D1140, Method B



SAMPLE ID: B4 @ 2.5-3'

DEPTH (ft): 2.5-3

LOCATION: B4

% +75mm	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
						47.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#200	47.2		

SOIL DESCRIPTION

See exploration logs

ATTERBERG LIMITS

PL = LL = PI =

COEFFICIENTS

D_{90} = D_{85} = D_{60} =
D_{50} = D_{30} = D_{15} =
D_{10} = C_u = C_c =

CLASSIFICATION

USCS =

REMARKS

Soak time = 180 min
Dry sample weight = 321.44 g
Largest particle size ≥ No. 4 Sieve

* (no specification provided)

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CLIENT: Baez Geotechnical Group, Inc.

PROJECT NAME: G357.01 - Murphy Ranch

PROJECT NO: 14368.000.208 PHLAB

PROJECT LOCATION: Escalon, CA

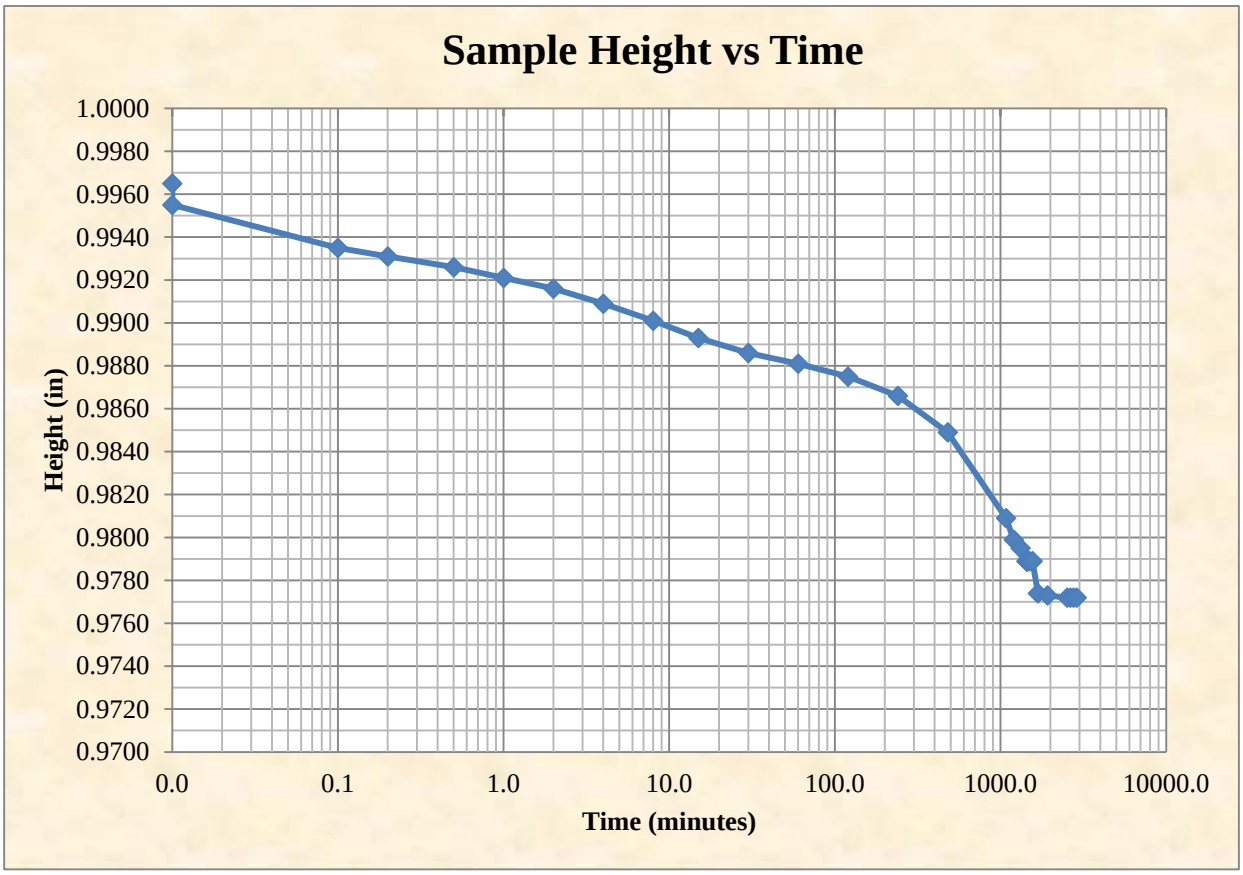
REPORT DATE: 8/3/2023

TESTED BY: K. Lecce

REVIEWED BY: M. Tong

ONE DIMENSIONAL SWELL/COLLAPSE POTENTIAL - METHOD 'C' Modified

ASTM D4546



SAMPLE ID:	**B7 @ 2.5-3**	**IN-SITU LOAD (psf):**	**300**
SAMPLE DESCRIPTION:	**See exploration logs**	**DESIGN LOAD (psf):**	**2500**
TYPE OF WATER USED:	**Distilled**	**USCS: n/a**	**SOURCE OF WATER: Distilled**
TRANSPORTATION METHOD:	**Insulated bucket**	**SAMPLING DATE:**	**n/a**
STORAGE ENVIRONMENT:	**Controlled**	**TEST START DATE:**	**08/03/23**

Remolded? (Y/N):	**N**	**Initial % Saturation:**	**79.89**
Number of lifts, if remolded:	**n/a**	**Final % Saturation:**	**99.98**
Specific Gravity, <#4 (Measured):	**2.744**	**Initial water content:**	**12.49**
Initial sample height (in):	**0.9965**	**Final water content:**	**14.58**
Dry in-situ load height (in):	**0.9955**	**Post-test dry density (pcf):**	**122.25**
Dry design load height (in):	**0.9789**	*Dry In-situ load % SWELL/COLLAPSE:*	*-0.10*
Wet design load height (in):	**0.9772**	*Dry design load % SWELL/COLLAPSE:*	*-1.67*
Initial sample mass (g):	**155.21**	*Wet design load % SWELL/COLLAPSE:*	*-0.17*
Final saturated sample mass (g):	**158.10**	***Overall % SWELL/COLLAPSE:***	***-1.94***
Initial-test dry density (pcf):	**119.88**		

Testing remarks: As requested by client, an in-situ load was added and then a design load was added prior to saturation. Note, gravels larger #4 were removed and replaced with trimmings.

PROJECT NAME:	**G357.01 - Murphy Ranch, Escalon, CA**
PROJECT NUMBER:	**14368.000.208 PHLAB**
CLIENT:	**Baez Geotechnical Group, Inc.**
PHASE NUMBER:	**LAB**
REPORT DATE:	**08/10/23**

ENGEO
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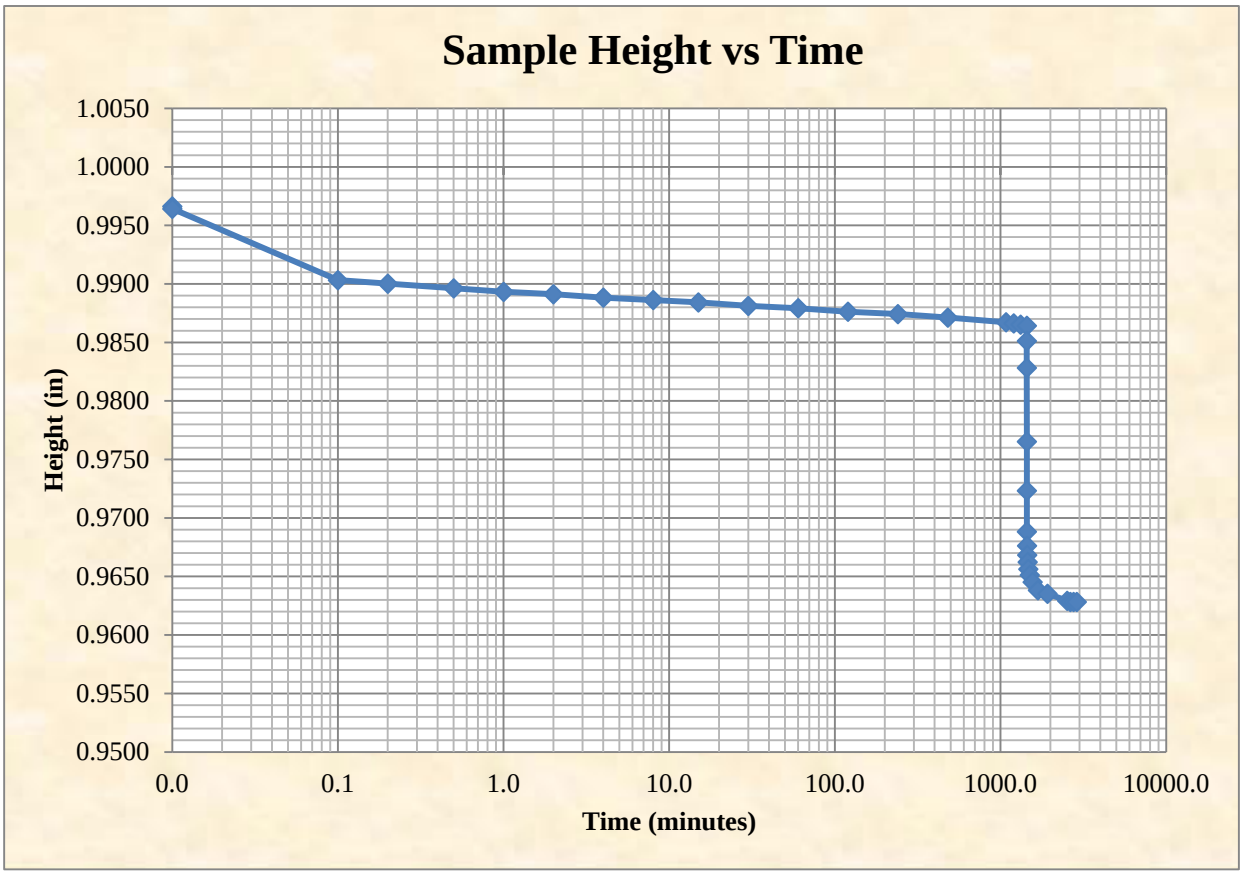
Tested by: K. Lecce

Reviewed by: J. Moriarty

ONE DIMENSIONAL SWELL/COLLAPSE POTENTIAL - METHOD 'C' Modified

ASTM D4546



SAMPLE ID:	**B1 @ 3-3.5**	**IN-SITU LOAD (psf):**	**450**
SAMPLE DESCRIPTION:	**See exploration logs**	**DESIGN LOAD (psf):**	**2500**
TYPE OF WATER USED:	**Distilled**	**USCS: n/a**	**SOURCE OF WATER: Distilled**
TRANSPORTATION METHOD:	**Insulated bucket**	**SAMPLING DATE:**	**n/a**
STORAGE ENVIRONMENT:	**Controlled**	**TEST START DATE:**	**08/02/23**

Remolded? (Y/N):	**N**	**Initial % Saturation:**	**37.58**
Number of lifts, if remolded:	**n/a**	**Final % Saturation:**	**100.00**
Specific Gravity, <#4 (Measured):	**2.745**	**Initial water content:**	**7.72**
Initial sample height (in):	**0.9966**	**Final water content:**	**18.57**
Dry in-situ load height (in):	**0.9964**	**Post-test dry density (pcf):**	**113.42**
Dry design load height (in):	**0.9864**	*Dry In-situ load % SWELL/COLLAPSE:*	*-0.02*
Wet design load height (in):	**0.9628**	*Dry design load % SWELL/COLLAPSE:*	*-1.00*
Initial sample mass (g):	**136.30**	*Wet design load % SWELL/COLLAPSE:*	*-2.37*
Final saturated sample mass (g):	**150.03**	***Overall % SWELL/COLLAPSE:***	***-3.39***
Initial-test dry density (pcf):	**109.57**		

Testing remarks: As requested by client, an in-situ load was added and then a design load was added prior to saturation. Note, gravels larger #4 were removed and replaced with trimmings.

PROJECT NAME:	**G357.01 - Murphy Ranch, Escalon, CA**	**REPORT DATE:**	**08/09/23**
PROJECT NUMBER:	**14368.000.208 PHLAB**		
CLIENT:	**Baez Geotechnical Group, Inc.**		
PHASE NUMBER:	**LAB**		

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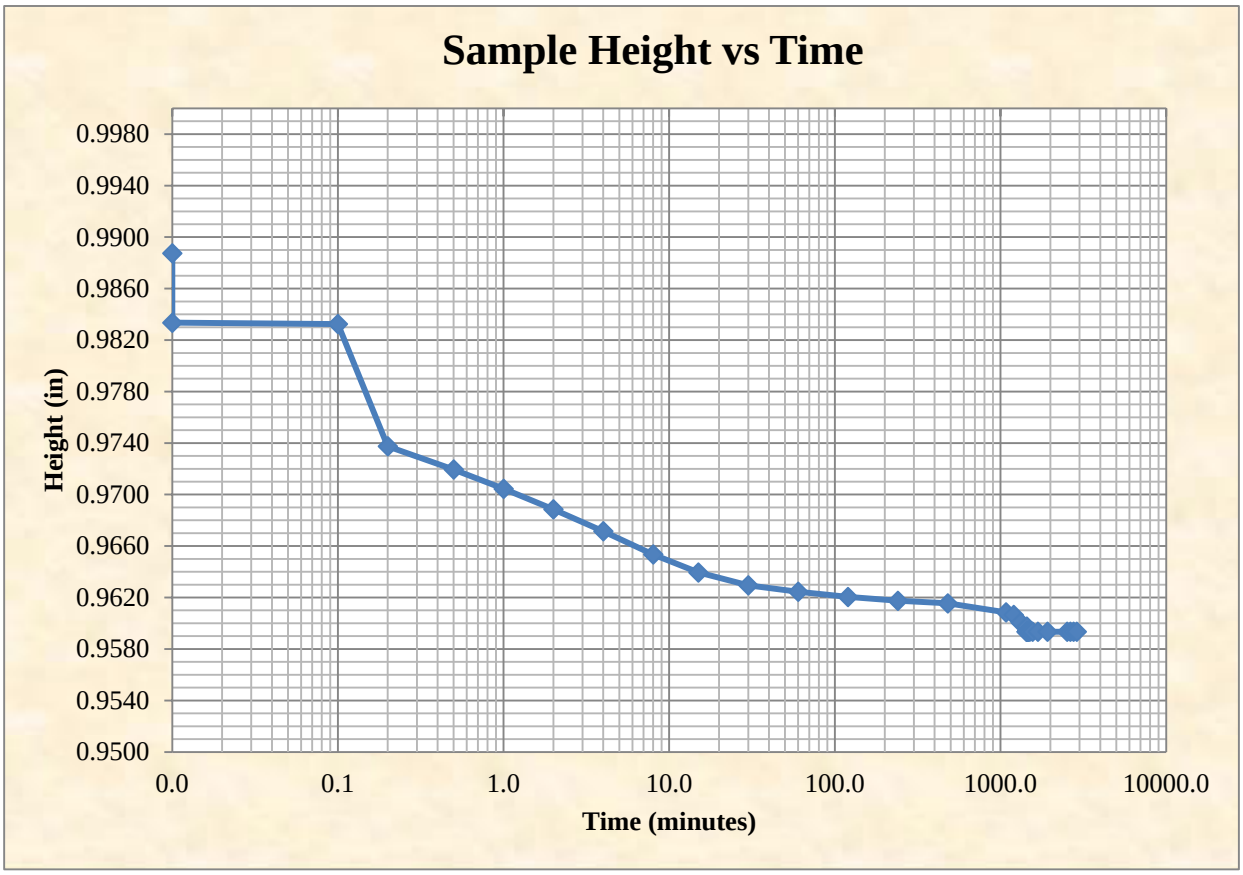
Tested by: K. Lecce Reviewed by: M. Tong

ONE DIMENSIONAL SWELL/COLLAPSE POTENTIAL - METHOD 'C' Modified

ASTM D4546



SAMPLE ID:	**B4 @ 3-3.5**		**IN-SITU LOAD (psf):** **350**
SAMPLE DESCRIPTION:	**See exploration logs**		**DESIGN LOAD (psf):** **2500**
TYPE OF WATER USED:	**Distilled**	**USCS: n/a**	**SOURCE OF WATER:** **Distilled**
TRANSPORTATION METHOD:	**Insulated bucket**		**SAMPLING DATE:** **n/a**
STORAGE ENVIRONMENT:	**Controlled**		**TEST START DATE:** **08/03/23**

Remolded? (Y/N):	**N**	**Initial % Saturation:**	**89.13**
Number of lifts, if remolded:	**n/a**	**Final % Saturation:**	**100.00**
Specific Gravity, <#4 (Measured):	**2.700**	**Initial water content:**	**14.80**
Initial sample height (in):	**0.9888**	**Final water content:**	**14.97**
Dry in-situ load height (in):	**0.9834**	**Post-test dry density (pcf):**	**119.94**
Dry design load height (in):	**0.9598**	*Dry In-situ load % SWELL/COLLAPSE:*	*-0.55*
Wet design load height (in):	**0.9594**	*Dry design load % SWELL/COLLAPSE:*	*-2.39*
Initial sample mass (g):	**153.64**	*Wet design load % SWELL/COLLAPSE:*	*-0.04*
Final saturated sample mass (g):	**153.87**	***Overall % SWELL/COLLAPSE:***	***-2.97***
Initial-test dry density (pcf):	**116.37**		

Testing remarks: As requested by client, an in-situ load was added and then a design load was added prior to saturation. Note, gravels larger #4 were removed and replaced with trimmings.

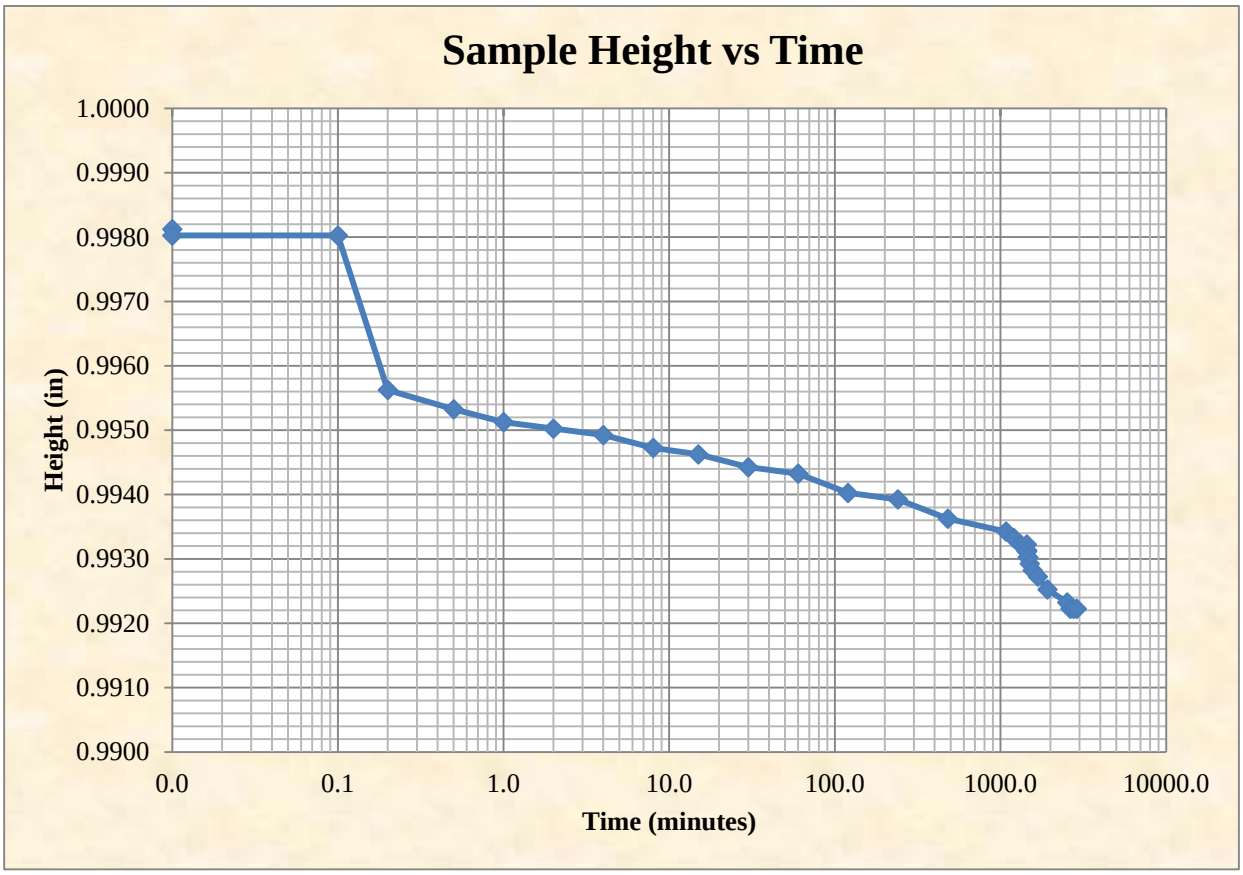
PROJECT NAME:	**G357.01 - Murphy Ranch, Escalon, CA**	**REPORT DATE:**	**08/09/23**
PROJECT NUMBER:	**14368.000.208 PHLAB**		
CLIENT:	**Baez Geotechnical Group, Inc.**		
PHASE NUMBER:	**LAB**		

ENGEO — Expect Excellence

Tested by: K. Lecce Reviewed by: M. Tong

ONE DIMENSIONAL SWELL/COLLAPSE POTENTIAL - METHOD 'C' Modified

ASTM D4546



SAMPLE ID:	**B6 @ 3.5-4**	**IN-SITU LOAD (psf):**	**400**
SAMPLE DESCRIPTION:	**See exploration logs**	**DESIGN LOAD (psf):**	**2500**
TYPE OF WATER USED:	**Distilled**	**USCS: n/a**	**SOURCE OF WATER: Distilled**
TRANSPORTATION METHOD:	**Insulated bucket**	**SAMPLING DATE:**	**n/a**
STORAGE ENVIRONMENT:	**Controlled**	**TEST START DATE:**	**08/03/23**

Remolded? (Y/N):	**N**	**Initial % Saturation:**	**67.52**
Number of lifts, if remolded:	**n/a**	**Final % Saturation:**	**99.97**
Specific Gravity, <#4 (Measured):	**2.726**	**Initial water content:**	**12.72**
Initial sample height (in):	**0.9981**	**Final water content:**	**18.47**
Dry in-situ load height (in):	**0.9980**	**Post-test dry density (pcf):**	**113.10**
Dry design load height (in):	**0.9932**	*Dry In-situ load % SWELL/COLLAPSE:*	*-0.01*
Wet design load height (in):	**0.9922**	*Dry design load % SWELL/COLLAPSE:*	*-0.48*
Initial sample mass (g):	**145.94**	*Wet design load % SWELL/COLLAPSE:*	*-0.10*
Final saturated sample mass (g):	**153.38**	***Overall % SWELL/COLLAPSE:***	***-0.59***
Initial-test dry density (pcf):	**112.43**		

Testing remarks: As requested by client, an in-situ load was added and then a design load was added prior to saturation. Note, gravels larger #4 were removed and replaced with trimmings.

PROJECT NAME:	**G357.01 - Murphy Ranch, Escalon, CA**
PROJECT NUMBER:	**14368.000.208 PHLAB**
CLIENT:	**Baez Geotechnical Group, Inc.**
PHASE NUMBER:	**LAB**
REPORT DATE:	**08/10/23**

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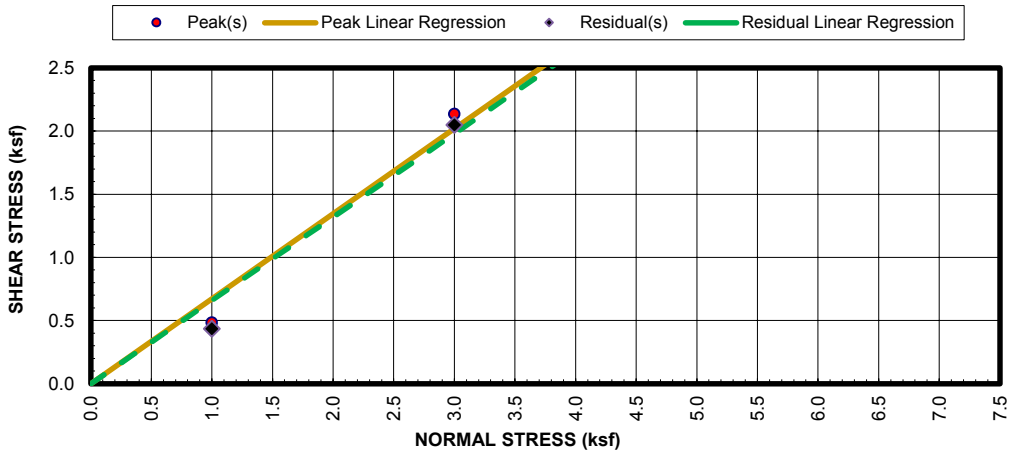
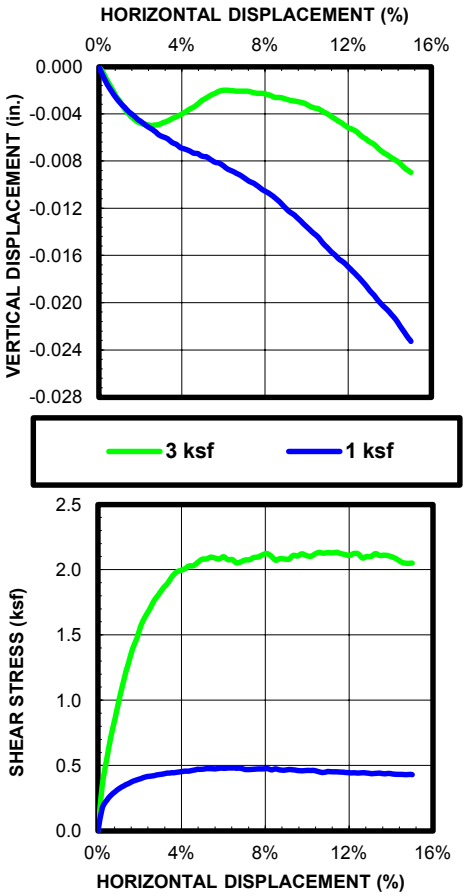
Tested by: K. Lecce

Reviewed by: J. Moriarty

CONSOLIDATED DRAINED DIRECT SHEAR
ASTM D3080





	SPECIMEN			
INITIAL PARAMETERS	**3 ksf**	**1 ksf**		
MOISTURE (%)	4.24	4.97		
DRY DENSITY (PCF)	110.78	112.91		
VOID RATIO	0.539	0.510		
SATURATION (%)	21.48	26.64		
DIAMETER (IN.)	2.415	2.415		
HEIGHT (IN.)	0.990	1.002		
DIAMETER-TO-HEIGHT RATIO	2.439	2.410		
SPECIFIC GRAVITY (ASTM D854)	2.731	2.731		
FINAL PARAMETERS	**3 ksf**	**1 ksf**		
MOISTURE (%)	12.71	14.12		
DRY DENSITY (PCF)	126.56	123.04		
VOID RATIO	0.347	0.386		
SATURATION (%)	99.99	99.99		
DIAMETER (IN.)	2.415	2.415		
HEIGHT (IN.)	0.963	0.973		
NORMAL STRESS (ksf)	3.00	1.00		
PEAK STRESS (ksf)	2.13	0.48		
PEAK STRAIN (%)	11.39	6.42		
RESIDUAL STRESS (ksf)	2.05	0.43		
RESIDUAL STRAIN (%)	15.00	15.00		
RATE (IN/MIN)	0.006038	0.006038		
DIAMETER-TO-HEIGHT RATIO	2.507	2.481		

SPECIMEN INFORMATION		STRENGTH PARAMETERS	ϕ°	C(psf)
SAMPLE ID:	B2@3.5-4			
DEPTH (ft):	3.5-4 ft	PEAK:	34.0	0.0
SAMPLE TYPE:	In-situ	RESIDUAL:	33.4	0.0
DESCRIPTION:	See exploration logs	ASTM D4318		
		LIQUID LIMIT	n/a	
		PLASTIC LIMIT:	n/a	
REMARKS:	Consolidation data inconclusive. Default minimum shear rates used per ASTM D3080			

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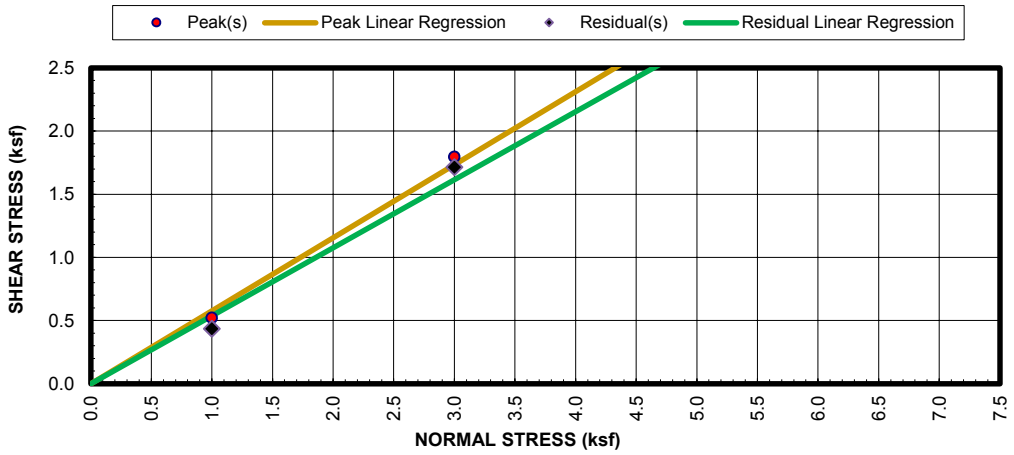
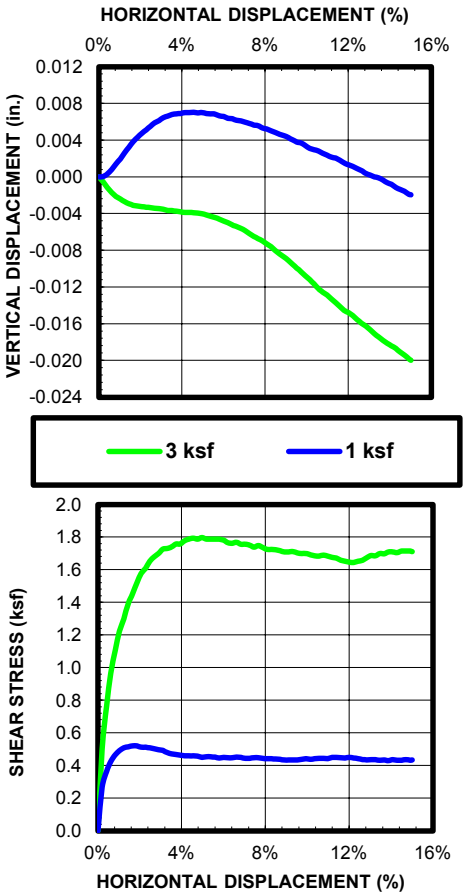
CLIENT: Baez Geotechnical Group, Inc.
PROJECT NAME: G357.01 Murphy Ranch
PROJECT NO: 14368.000.208 PHLAB
PROJECT LOCATION: Escalon, CA
REPORT DATE: 8/9/2023
TESTED BY: K. Lecce
REVIEWED BY: M. Tong

CONSOLIDATED DRAINED DIRECT SHEAR
ASTM D3080





	SPECIMEN			
INITIAL PARAMETERS	**3 ksf**	**1 ksf**		
MOISTURE (%)	6.64	5.84		
DRY DENSITY (PCF)	113.97	115.34		
VOID RATIO	0.486	0.468		
SATURATION (%)	37.07	33.86		
DIAMETER (IN.)	2.415	2.415		
HEIGHT (IN.)	0.997	0.995		
DIAMETER-TO-HEIGHT RATIO	2.422	2.428		
SPECIFIC GRAVITY (ASTM D854)	2.713	2.713		
FINAL PARAMETERS	**3 ksf**	**1 ksf**		
MOISTURE (%)	12.65	15.32		
DRY DENSITY (PCF)	126.09	119.63		
VOID RATIO	0.343	0.416		
SATURATION (%)	100.00	100.00		
DIAMETER (IN.)	2.415	2.415		
HEIGHT (IN.)	0.972	0.996		
NORMAL STRESS (ksf)	3.00	1.00		
PEAK STRESS (ksf)	1.80	0.52		
PEAK STRAIN (%)	4.97	1.66		
RESIDUAL STRESS (ksf)	1.71	0.43		
RESIDUAL STRAIN (%)	15.00	15.00		
RATE (IN/MIN)	0.00604	0.00604		
DIAMETER-TO-HEIGHT RATIO	2.486	2.425		

SPECIMEN INFORMATION		**STRENGTH PARAMETERS**	**ϕ°**	**C(psf)**
SAMPLE ID:	B3@5-5.5			
DEPTH (ft):	5-5.5 ft	PEAK:	30.1	0.0
SAMPLE TYPE:	In-situ	RESIDUAL:	28.3	0.0
DESCRIPTION:	See exploration logs	**ASTM D4318**		
		LIQUID LIMIT	n/a	
		PLASTIC LIMIT:	n/a	
REMARKS:	Consolidation data inconclusive. Default minimum shear rates used per ASTM D3080			

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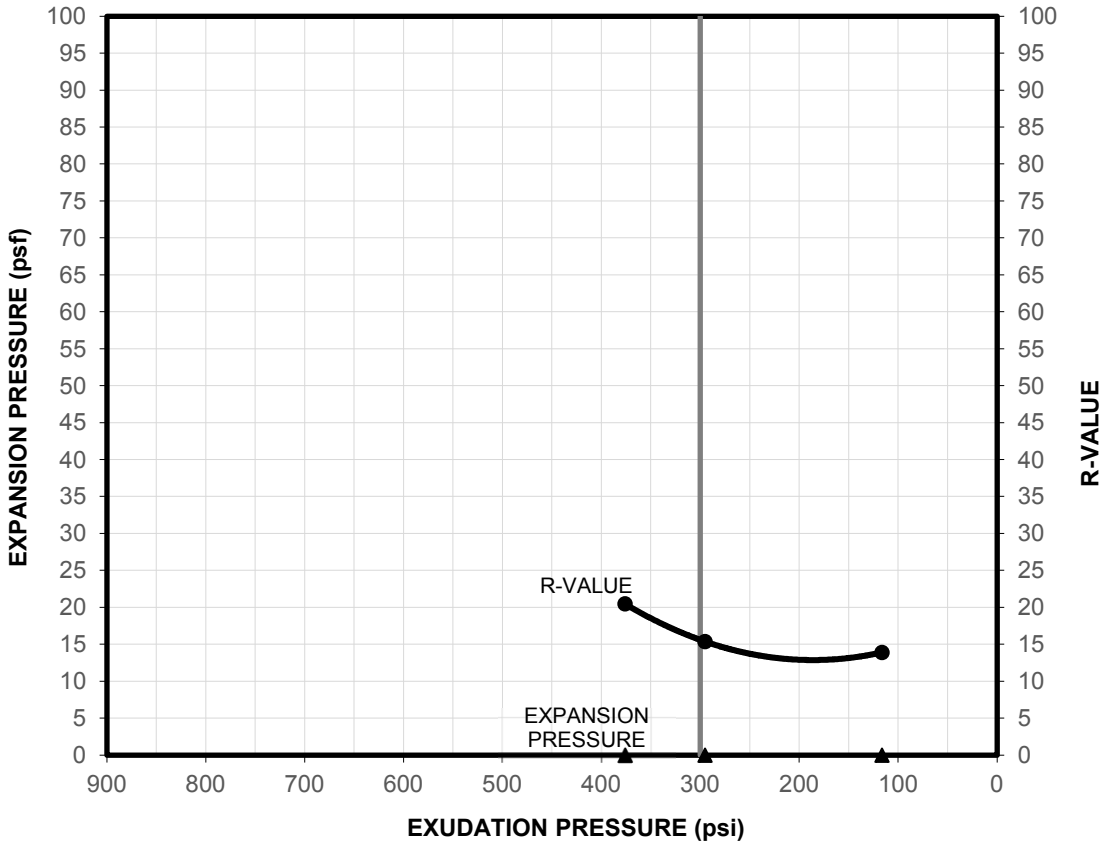
CLIENT: Baez Geotechnical Group, Inc.
PROJECT NAME: G357.01 - Murphy Ranch
PROJECT NO: 14368.000.208 PHLAB
PROJECT LOCATION: Escalon, CA
REPORT DATE: 8/9/2023
TESTED BY: K. Lecce
REVIEWED BY: M. Tong

R-VALUE TEST REPORT

CTM 301



SAMPLE ID	MATERIAL DESCRIPTION	SAMPLE LOCATION
B4 @1-4'	See Exploration Logs	B4 @1-4'

SPECIMENS	1	2	3
EXUDATION PRESSURE (psi)	376	295	116
EXPANSION PRESSURE (psf)	0	0	0
R-VALUE	20	15	14
MOISTURE CONTENT (%)	10.5	11.1	11.5
DRY DENSITY (pcf)	126.6	126.7	125.9
EXPANSION PRESSURE (psf) AT EXUDATION PRESSURE OF 300 psi		0	

R-VALUE AT EXUDATION PRESSURE OF 300 psi	TEST RESULT
	16

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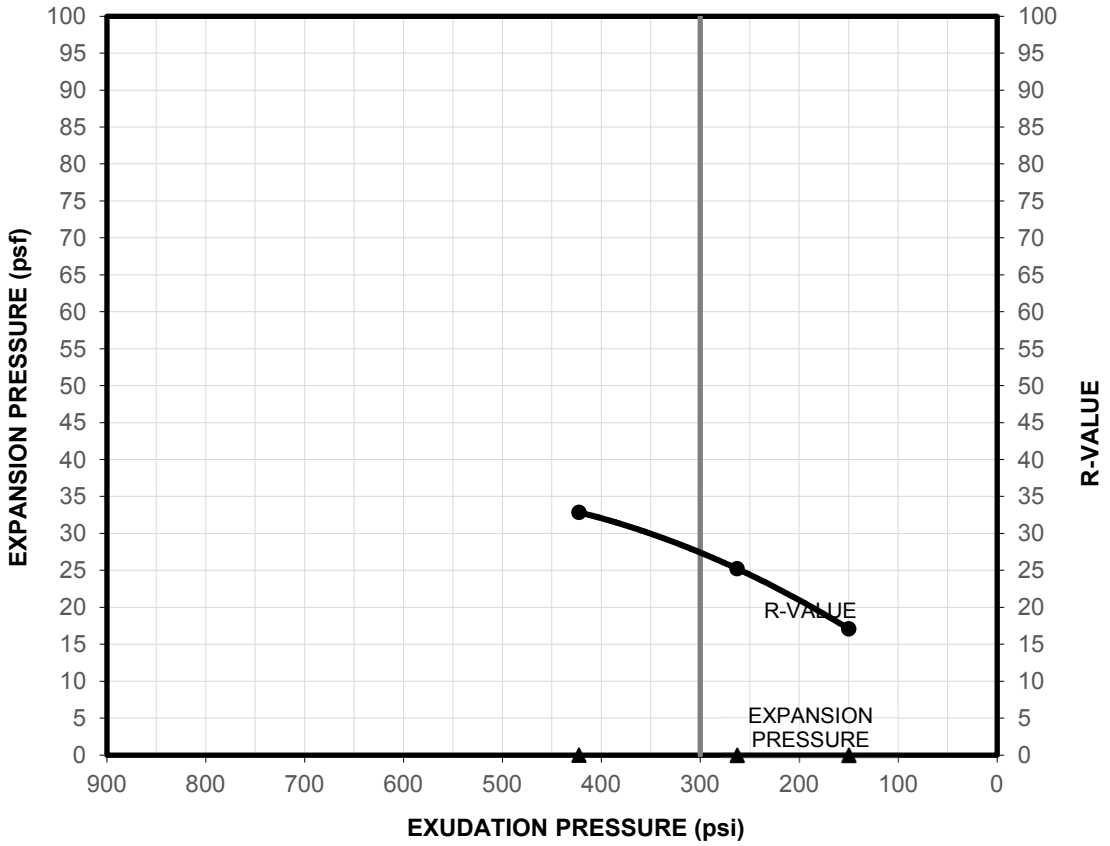
CLIENT: Baez Geotechnical Group, Inc.
PROJECT NAME: G357.01 - Murphy Ranch
PROJECT NO: 14368.000.208 PHLAB
PROJECT LOCATION: Escalon, CA
REPORT DATE: 8/2/2023
TESTED BY: K. Paul
REVIEWED BY: J. Moriarty

R-VALUE TEST REPORT

CTM 301



SAMPLE ID	MATERIAL DESCRIPTION	SAMPLE LOCATION
B8 @1-4'	See Exploration Logs	B8 @1-4'

SPECIMENS	1	2	3
EXUDATION PRESSURE (psi)	150	263	423
EXPANSION PRESSURE (psf)	0	0	0
R-VALUE	17	25	33
MOISTURE CONTENT (%)	12.3	11.7	10.9
DRY DENSITY (pcf)	125.3	125.2	126.6
EXPANSION PRESSURE (psf) AT EXUDATION PRESSURE OF 300 psi		0	

R-VALUE AT EXUDATION PRESSURE OF 300 psi	TEST RESULT
	27

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CLIENT: Baez Geotechnical Group, Inc.
PROJECT NAME: G357.01 - Murphy Ranch
PROJECT NO: 14368.000.208 PHLAB
PROJECT LOCATION: Escalon, CA
REPORT DATE: 8/1/2023
TESTED BY: K. Paul
REVIEWED BY: J. Moriarty

APPENDIX C

CERCO Analytical - Corrosivity Laboratory Test Results

CERCO analytical
1100 Willow Pass Court, Suite A
Concord, CA 94520-1006
925 462 2771 Fax. 925 462 2775
www.cercoanalytical.com

2 August, 2023

Job No. 2307057
Cust. No. 13042

Ms. Stefanie Parman
Baez Geotechnical Group, Inc.
P.O. Box 296
Oakdale, CA 95361

Subject: Project No.: G357.01
Project Name: Murphy Ranch, Escalon, Modesto, CA
Corrosivity Analysis – ASTM Methods

Dear Ms. Parman:

Pursuant to your request, CERCO Analytical has analyzed the soil samples submitted on July 26, 2023. Based on the analytical results, this brief corrosivity evaluation is enclosed for your consideration.

Based upon the resistivity measurement, this sample is classified as "moderately corrosive". All buried iron, steel, cast iron, ductile iron, galvanized steel and dielectric coated steel or iron should be properly protected against corrosion depending upon the critical nature of the structure. All buried metallic pressure piping such as ductile iron firewater pipelines should be protected against corrosion.

The chloride ion concentration reflects none detected with a reporting limit of 15 mg/kg.

The sulfate ion concentration reflects none detected with a reporting limit of 15 mg/kg.

The sulfide ion concentrations reflect none detected with a reporting limit of 50 mg/kg.

The pH of the soil is 8.40, which does not present corrosion problems for buried iron, steel, mortar-coated steel and reinforced concrete structures.

The redox potential is 240-mV and is indicative of potentially "slightly corrosive" soils resulting from anaerobic soil conditions.

This corrosivity evaluation is based on general corrosion engineering standards and is non-specific in nature. For specific long-term corrosion control design recommendations or consultation, please call *JDH Corrosion Consultants, Inc. at (925) 927-6630.*

We appreciate the opportunity of working with you on this project. If you have any questions, or if you require further information, please do not hesitate to contact us.

Very truly yours,
CERCO ANALYTICAL, INC.

for

J. Darby Howard, Jr., P.E.
President

JDH/jdl
Enclosure

CERCO analytical
1100 Willow Pass Court, Suite A
Concord, CA 94520-1006
925 462 2771 Fax. 925 462 2775
www.cercoanalytical.com

Client: Baez Geotechnical Group
Client's Project No.: G357.01
Client's Project Name: Murphy Ranch, Escalon, CA
Date Sampled: 20-Jun-23
Date Received: 26-Jul-23
Matrix: Soil
Authorization: Signed Chain of Custody

Date of Report: 2-Aug-2023

Job/Sample No.	Sample I.D.	Redox (mV)	pH	Conductivity (umhos/cm)*	Resistivity (100% Saturation) (ohms-cm)	Sulfide (mg/kg)*	Chloride (mg/kg)*	Sulfate (mg/kg)*
2307057-001	B1 @ 5.5-6.0	240	8.40	-	5,000	N.D.	N.D.	N.D.

Method:	ASTM D1498	ASTM D4972	ASTM D1125M	ASTM G57	ASTM D4658M	ASTM D4327	ASTM D4327
Reporting Limit:	-	-	10	-	50	15	15
Date Analyzed:	27-Jul-2023	27-Jul-2023	-	31-Jul-2023	2-Aug-2023	31-Jul-2023	31-Jul-2023

* Results Reported on "As Received" Basis

N.D. - None Detected

Julia Clauson
Chemist

Quality Control Summary - All laboratory quality control parameters were found to be within established limits

Chain of Custody

230057

Page 1 of 1

1100 Willow Pass Court
Concord, CA 94520-1006
925 462 2771
Fax 925 462 2775
CERCO analytical

Job No.	CU#	Client Project I.D.	Schedule / Analyte	Date Sampled	Date Due
G357.01	13042	Murphy Ranch		6/20/2023	Standard

Full Name Stefanie Parman, smp@baezgeotechnicalgroup.com **Phone** Office (209) 602-6569

Company and/or Mailing Address Baez Geotechncial Group, PO Box 296, Oakdale, CA 95361 **Cell** (209) 602-6569

Sample Source G357.01 - Murphy Ranch - Escalon, CA

ANALYSIS **ASTM**

Lab No.	Sample I.D.	Date	Time	Matrix	Contain.	Size	Preserv.	Qtv.	Redox Potential	pH	Sulfate	Chloride	Resistivity-100% Saturated	Sulfides		Brief Evaluation						
	B1 @ 5.5-6.0	6/20/23		S	Baggy			1	X	X	X	X	X	X		X						

MATRIX: DW - Drinking Water; GW - Ground Water; SW - Surface Water; WW - Waste Water; Water; SL - Sludge; S - Soil; Product

ABBREVIATIONS: HB - Hosebib; PV - Petcock Valve; PT - Pressure Tank; PH - Pump House; RR - Restroom; GL - Glass; PL - Plastic; ST - Sterile

SAMPLE RECEIPT: Total No. of Containers; Rec'd Good Cond/Cold; Conforms to Record; Temp. a t Lab -°C; Sampler

Relinquished By:	Kevin Rhein	Date 7/24/23	Time
Received By:	Diane Jurich	Date 7/26/23	Time 1310
Relinquished By:		Date	Time
Received By:		Date	Time
Relinquished By:		Date	Time
Received By:		Date	Time

Comments:

THERE IS AN ADDITIONAL CHARGE FOR EXTRUDING SOIL FROM METAL TUBES

Email Adddress smp@baezgeotechnicalgroup.com

APPENDIX E
PHASE I ENVIRONMENTAL SITE ASSESSMENT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
MURPHY RANCH
APNS: 225-04-028 & 225-04-029
18092 & 18112 BRENNAN ROAD
ESCALON, CALIFORNIA

for
Florsheim Homes, Inc.
August 30, 2023

BGG Project No. G357.02

Via E-Mail

August 30, 2023
BGG Project No. G357.02

John Pronoitis
Florsheim Homes, Inc.
1701 West March Lane, Suite D
Stockton, California 95207

Subject: Phase I Environmental Site Assessment
Murphy Ranch
18092 and 18112 Brennan Road
APNs: 225-04-028 and 225-04-029
Escalon, California

Dear Mr. Pronoitis:

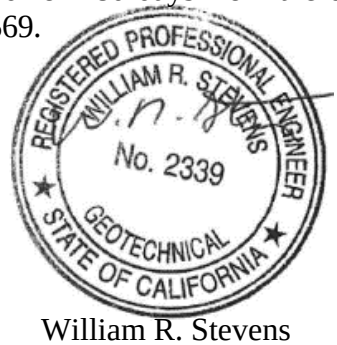
Baez Geotechnical Group has completed a Phase I Environmental Site Assessment for the subject property located in Escalon, California. We did not find evidence that current use of the property or activity at neighboring properties indicates hazardous material contamination or environmental impairment to the subject property. The property appears to have historical use for vineyard and orchard tree agriculture, with predominant use for livestock pasture and dog kennels for the past 30 years. The surrounding areas to the east and south have been developed in recent years for residential subdivisions, and the surrounding areas to the north and west are in agricultural use for orchard and row crop farming. In our opinion, further environmental investigation at the site is not warranted.

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the All Appropriate Inquiries in conformance with the standards of practice set forth in 40 CFR part 312.

This Phase I Environmental Site Assessment is valid for 180 days from the date issued. If you have any questions, please contact us at (209) 602-6569.

Respectfully submitted,

BAEZ GEOTECHNICAL GROUP



Stefanie Parman-Ribeiro
Project Engineer

William R. Stevens
Principal Engineer
GE 2339

E://1-BGG/G357-Murphy Ranch/02 Ph1 ESA/Murphy Ranch Phase 1 ESA.doc

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1.0 EXECUTIVE SUMMARY

PROJECT SUMMARY TABLE				
HAZARD	**ACCEPTABLE**	**ACCEPTABLE REQUIRES O & M**	**CONCERN-POSSIBLE REMEDY**	**ADDITIONAL STUDY REQUIRED**
Site History	**X**			
Database Review	**X**			
Visual Observations	**X**			
Asbestos		**X**		
PCB's	**X**			
UST's & AST's	**X**			
Radon	**X**			
Lead-based Paint		**X**		
Drinking Water	**X**			

1.1 Background

Baez Geotechnical Group (BGG) has conducted a Phase I Environmental Site Assessment for the property identified as Murphy Ranch, a proposed residential subdivision (APNs 225-04-028 and 225-04-029), in the City of Escalon, California (see Plate 1, Vicinity Map). The subject property is located in the southeast corner of the intersection of Yosemite Avenue/Highway 120 and Brennan Road. The property is situated north of residences on California Street and west of residences on Edgewood Avenue, and Shadowood Park borders the southeast corner of the property. The assessment included a review of the prior-use history of the property; a review of neighboring properties based on reasonably ascertainable environmental databases; a visual reconnaissance for hazardous materials contamination; a preliminary screening for asbestos-containing building materials (ACBM), lead-based paint (LBP), drinking water quality and radon; and a search for above-ground storage tanks (ASTs), underground storage tanks (USTs), and equipment containing polychlorinated biphenyls (PCBs).

1.2 Observations and Conclusions

We have performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to or deletions from this practice are described in this report. This assessment has not revealed evidence of recognized environmental conditions in connection with the property.

BGG did not find evidence that current use of the property or activity at neighboring properties would indicate the likelihood of significant environmental impairment to the subject property. The property has historic use for orchard tree and vineyard agriculture, and active farming appears to have ceased during the early 1990's since which time the property has been predominantly used for livestock pasture and dog kennels. The property contains several structures, including two residences, a concrete masonry unit (CMU) barn, and several dilapidated outbuildings. The property is currently vacant and fallow. Irrigation structures are present along a north-south pipeline alignment east of the northern residence, at the boundary between the two parcels. BGG did not find evidence that current use of the property or neighboring properties would indicate the likelihood of environmental impairment to the subject property.

In addition, BGG did not observe visual evidence of hazardous-material contamination, indications of improper hazardous materials storage or disposal, or identify significant concerns relating to PCBs, USTs, ASTs, ACBM, LBP or radon at the subject property.

1.3 Certification and Limitations

This investigation was conducted on behalf of and for the exclusive use of Florsheim Homes, Inc. solely for use in an environmental evaluation of the property. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party nor used by any other party, in whole or in part, without prior written consent of Baez Geotechnical Group (BGG). However, BGG acknowledges and agrees that the report may be conveyed to and relied upon by Florsheim Homes, Inc., its successors and assigns, rating agencies, banks, bond investors, and the current property owner.

BGG, its principals, and its employees have no present or contemplated interest in the property. Our employment and compensation for preparing this report are not contingent upon our observations or conclusions.

This investigation has been performed in a professional manner using the degree of care and skill ordinarily exercised by and consistent with the standards of competent consultants practicing in the same or similar locality as the property. The reported observations and conclusions are limited only by the reported assumptions and limiting conditions and represent our unbiased and professional analysis and opinions. No other warranty, expressed or implied, is made or intended. The information in this report is from sources deemed to be reliable; however, no representation or warranty is made as to the accuracy thereof.

No environmental site assessment can wholly eliminate uncertainty and this study does not mean that an exhaustive assessment was performed regarding the potential for recognized environmental conditions in connection with a property. BGG did not perform any sampling for ACBM, LBP, Mold, or Radon for this study. This study is designed to reduce but not eliminate uncertainty regarding the existence of such conditions in a manner that recognizes reasonable limits of time and cost. Please note that the “shelf life” of this ESA is six months from the report date. If the report is older than six months, the following information must be updated in order for the report to be valid: (1) regulatory review, (2) site visit, (3) interviews, (4) specialized knowledge and (5) environmental liens search. Reports older than one year may not meet the ASTM Standard Practice 1527-13 and therefore, the entire report must be updated to reflect current conditions and property-specific information.

An independent data research company (Environmental Data Resources [EDR] Inc.) provided the government agency databases referenced in this report. Information on surrounding area properties was requested for approximate minimum search distances and is assumed to be correct and complete unless obviously contradicted by BGG’s observations or other credible referenced sources reviewed during the assessment. BGG shall not be liable for any such database firm’s failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain or produce accurate or complete records.

2.0 INTRODUCTION

Site Name: Murphy Ranch, a proposed residential subdivision

Site Address: 18092 and 18112 Brennan Road
Escalon, California

Assessor's Parcel Numbers: 225-04-028 and 225-04-029

2.1 Background

Baez Geotechnical Group (BGG) was retained to conduct a Phase I Environmental Site Assessment for the subject property. The purpose of the assessment was to provide, to a preliminary degree, an objective, independent, professional opinion of the potential environmental risks, if any, associated with the subject property.

This Environmental Site Assessment included a visual reconnaissance of the property and immediate vicinity and a review of regulatory agency public records. The regulatory information sources are listed by agency in the following sections, and include federal, state, and local databases. Photographs of the subject property were taken for preparation of this report. Relevant photographs are included in this report as Appendix A and copies of all photographs taken are maintained in BGG's files.

BGG personnel visited the property to conduct a visual reconnaissance on June 20, 2023. The weather was clear and warm at the time of the site reconnaissance.

2.2 Scope of Work

The purpose of this environmental assessment was to identify the immediate and most recognizable environmental concerns at the subject property. The assessment was generally performed in accordance with the recommendations presented in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13 and accepted industry standards/practice.

The specific scope of work included the following: Review of readily available maps for the site, Prior Use History Review, Environmental Database Review, Preliminary ACBM Screen, PCB Equipment Search, AST and UST Search, Preliminary/Radon Review, Preliminary LBP Screening, Drinking Water Quality, searching for a "release" of contaminants into the surface or subsurface on the Property documented in agency files, and site reconnaissance. The ASTM Standard Practice defines the following:

- Recognized Environmental Condition (REC) as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property due to release in the environment or under conditions that pose a material threat of future release to the environment. De minimus conditions are not recognized environmental conditions."

- Historic Recognized Environmental Condition (HREC) as "a past release of any hazardous substance or petroleum products that has occurred in connection with a property and has been addressed to the satisfaction of the applicable regulatory authority or meeting the unrestricted use criteria established by a regulatory authority, without subjecting the property to a required controls (for example property use restrictions, activity use limitations (AULs), institutional controls, or engineering controls). Before calling the past release a HREC the Environmental Professional must determine whether the past release is a REC at the time the Phase I ESA is conducted (for example if there has been a change in the regulatory criteria)."
- Controlled Recognized Environmental Condition (CREC) as "a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example as evidenced by the issuance of a NFA letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e. g. property use restrictions, AULs, institutional control, or engineering controls)."

2.3 Significant Assumptions

The information in this report is from sources reasonably ascertainable and deemed to be reliable; however, no representation or warranty is made as to the accuracy thereof.

2.4 Limitations and Exceptions

This site assessment has been performed in a professional manner using the degree of care and skill ordinarily exercised by and consistent with the standards of competent consultants practicing in the same or similar locality as the property. The reported observations and conclusions are limited only by the reported assumptions and limiting conditions and represent our unbiased and professional analysis, opinions, and conclusions. No other warranty, expressed or implied, is made or intended. BGG did not interview the neighbors of the subject property.

2.5 User Reliance

No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Users must take into account their specialized knowledge to identify conditions of releases or threatened releases. Commonly known or reasonably ascertainable information within the local community about the property must also be taken into account by the user. This study is designed to reduce but not eliminate uncertainty regarding the existence of such conditions in a manner that recognizes reasonable limits of time and cost.

3.0 SITE DESCRIPTION

3.1 Site Location

The approximately 17.97-acre property is located on the south side of Yosemite Avenue/Highway 120 and east side of Brennan Road, between California Street to the south and Edgewood Avenue to the east, in Escalon, California. The property is comprised of two contiguous parcels. The smaller parcel occupying the northwest corner of the property contains a residence (18092 Brennan) in the northeast corner of the parcel and several dilapidated sheds and shade structures surrounding the residence. A second residence (18112 Brennan) is present in the southwest portion of the larger parcel, on the east side of Brennan Road. An animal barn of CMU construction is also located in the southwest portion of the property, southeast of the southern residence, near the southern property boundary. The remainder of the property appeared vacant and fallow at the time of our site reconnaissance and was predominantly in use for livestock pasture. Vineyard farming of the eastern three-quarters portion of the property appears to have ceased between 1937 and 1950. Orchard tree farming of the western portion appears to have occurred beginning in the 1950's and ending between 1984 and 1993. The property appears to have been predominantly fallow since 1993 (see Plates 1 and 2 and Site Photographs in Appendix A). It is our understanding from the EDR Environmental Lien Search report and a search of San Joaquin County property records that the current property owner for both parcels is identified as: Carr Escalon Property, LLC.

3.2 Site Description

The rectangular-shaped property is oriented with the corners generally in the northeast, southeast, southwest, and northwest directions (see Plate 2, Site Plan). Site topography is characterized as generally flat with a gentle westerly sloping gradient and surface elevations varying from approximately 110 to 115 feet above mean sea level (MSL). Two residences, a CMU barn, and several dilapidated outbuildings including sheds and shade structures are located in the areas surrounding the residences. An underground concrete irrigation pipeline runs north-south along the boundary between the two parcels, with above-ground concrete irrigation valve structures. Miscellaneous debris and overgrown vegetation surround the north residence (18092 Brennan). Minor debris was observed throughout the remainder of the property. A domestic water well, water tank, and above-ground propane storage tank (AST) were observed north of the south residence (18112 Brennan). A shallow irrigation ditch runs north-south along the eastern property boundary and continues east-west along the southern property boundary, within the livestock pasture area. Two pole-mounted transformers were observed on power poles located along the east side of Brennan Road, west of the residences. Mature trees border the property along the western boundary with Brennan Road and neglected grapevines border the western portion of the northern property boundary up to the north residence. The northern residence is surrounded by mature trees, shrubs, and overgrown vegetation. Some mature trees are located along the eastern and southern property boundaries. The northwest corner of the property is separated by fencing into two smaller pasture sections. The remainder of the property is undeveloped, with the western portion fallow and the eastern portion in use for livestock grazing.

3.3 Current Use of the Property

The site contains two occupied residences and is currently in use for livestock grazing.

3.4 Current Uses of Adjoining Properties

The subject property is surrounded by residential subdivisions to the east and south and agricultural properties to the north and west, predominantly in use for orchard tree farming. The property is bordered as follows:

North – Union Pacific Railroad and Yosemite Avenue/Highway 120.
East – Residential Subdivision, Edgewood Avenue residences.
South – Residential Subdivision, California Street residences, and Shadowood Park.
West – Brennan Road.

3.5 Topography

Site topography is characterized as generally flat with a gentle westerly sloping gradient. The property has surface elevations varying between approximately 110 and 115 feet MSL, based on the United States Geologic Survey Topographic Quadrangle Maps and Google Earth imagery. No structures are noted on the 1914 Avena 7.5-minute map, railroad tracks and Yosemite Avenue border the northern property boundary, and Brennan Road borders the property on the west. Two structures are noted in the southwest corner of the property on the 1952, 1968, and 1994 Avena 7.5-minute maps. Tidewater Southern Railroad and Highway 120 are present to the north, and orchards are shown on the 1952 and 1968 maps. No structures are noted on the Avena 7.5-minute maps dated 2012, 2015, and 2018. The surrounding areas to the east and south appear to be developed as residential subdivisions on the maps dated from 1994 through 2018, and the property remains vacant. Historical Topographic Maps are contained in the Appendices of this report.

3.6 Surface Water Characteristics

The site is not mapped inside a 100-year flood zone or a 500-year flood zone, according to the Flood Insurance Rate Map by the Federal Emergency Management Agency.

3.7 General Geologic Characteristics

The property is in the City of Escalon, in San Joaquin County, in an area underlain by alluvium composed predominantly of sand, silt, and gravel. Active northwest-southeast trending faults occur in the San Francisco Bay region west of the site, including the Calaveras fault about 45 miles to the west and the Greenville fault about 27 miles west of the property. These faults historically generate damaging earthquakes. Large, deep aquifers used for drinking and agricultural water occur beneath the site as part of the region designated as the San Joaquin Valley Groundwater Basin. According to the California Water Data Library, recent groundwater levels for wells nearby the property have been reported to be about 60 to 70 feet below the ground surface (bgs). Regional groundwater flow direction in the property vicinity is estimated to be toward the west-southwest. The Stanislaus River is located about 3-miles south of the property. No oil or gas wells were identified on the property.

3.8 Water System

A domestic water well was observed north of the south residence (18112 Brennan, see Plate 2, Site Plan) and a second private domestic well may be present near the location of the north residence (18092 Brennan). The property is connected to the South San Joaquin Irrigation District irrigation water distribution system, and several above-ground irrigation structures were observed along the north-south boundary between the two parcels (see Plate 2, Site Plan and Appendix A, Site Photographs). The existing domestic wells will be abandoned in accordance with San Joaquin County Environmental Health department policy for the proposed site development. The proposed residential subdivision will be connected to the City of Escalon municipal water system.

4.0 USER PROVIDED INFORMATION

4.1 Title Records

A 50-year chain of Title was not provided by the client for BGG's review nor was one readily available for review.

4.2 Environmental Liens or Activity Use Limitations

A search for environmental liens and activity use limitations (AUL) did not reveal any liens or activity use limitations for the property (see EDR Environmental Lien Report in the appendices).

4.3 Specialized Knowledge

No specialized knowledge was provided to BGG for the subject property.

4.4 Commonly Known or Reasonably Ascertainable Information

BGG has searched available State, City, and County sources for property information and has had a database provider search the property APNs/addresses.

4.5 Valuation Reduction for Environmental Issues

There was no information provided to BGG indicating property value reduction issues. In addition, the current property owner indicated that the current purchase price reasonably reflects the fair market value of the property.

4.6 Owner, Property Manager, and Occupant Information

BGG submitted ESA questionnaires to the property owners; responses to the ESA questionnaires were received from Chester Murphy, managing member of Carr Escalon Property, LLC, and are included in the Appendices of this report.

4.7 Reason for Performing Phase I

It is BGG's understanding that this Phase I ESA report is being used for proposed development of the property as a residential subdivision.

5.0 RECORDS REVIEW

BGG reviewed the prior use history of the subject property. BGG attempted to review as many sources that were both reasonably ascertainable and likely to be useful as required by ASTM guidance. The review attempted to identify the prior usage back to the earlier of either the property's first developed use or 1940 (see the EDR Radius Map Report in appendices).

5.1 City/County/State Records Review

The EDR records search included a review of the building permit historical records for the City of Escalon Building Department and the San Joaquin Community Development Department. No building permit records were located for the subject property.

BGG also conducted an inquiry with the City of Escalon Building Department and the San Joaquin County Community Development Department. The following records were obtained from the San Joaquin County database:

- 18112 Brennan Avenue: a building permit was issued in June 2023 for the replacement of a water heater at the single-family residence and code enforcement notices were served in February and August 2011 for building a fence without a permit and junk/trash storage.
- 18092 Brennan Avenue: a business license was issued in February 1995 to operate a dog training and kennel facility at the property.

A review of the State Department of Toxic Substances ENVIROSTOR database did not reveal any file listings for the property location.

A review of the San Francisco Bay Area Regional Water Quality Control Board (RWQCB) GeoTracker database did not reveal any file listings for the property location.

5.2 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps (see appendices) show the location and use of structures on a property at a given point in time and are widely available for areas that were significantly developed during the late 1800s through the 1960s. The EDR Certified Sanborn Map search showed there was no mapping for this site.

5.3 Aerial Photographs

BGG reviewed aerial photographs from the EDR Aerial Photography Print Service (see appendices). A review of the aerial photographs listed by year and source (at a scale of 1-inch = 500-feet) revealed the following:

1937 – The subject property appears to be in agricultural use; the larger, eastern parcel appears to be planted with grape vines and the smaller, northwest corner parcel appears to be in use for row crops. A residence and barn structure appear in the southwest corner of the property. Railroad tracks and Yosemite Avenue parallel the northern property boundary. The surrounding areas appear to be in agricultural use for row crops, orchard

trees, and vineyards with some ranch residences and outbuildings appearing on the surrounding properties.

1950 – Grapevines appear to have been removed and the property appears entirely in use for row crops. The subject property and surrounding areas otherwise appear similar to the previous photograph.

1957 – The northwest corner of the property appears to be planted with orchard trees. The barn east of the residence has been removed and a new barn structure has been constructed. Orchard trees appear in the areas to the west, northwest, and east of the property. The surrounding areas otherwise appear similar to the previous photograph.

1963 – A second residence appears in the western portion of the property, near the property line between the two parcels. The previously existing south residence has been removed and replaced with a new, larger residence. The subject property and surrounding areas otherwise appear similar to the previous photograph.

1968 – A small drainage pond is present in the southeast corner of the property. The subject property and surrounding areas otherwise appear similar to the previous photograph.

1975 – The subject property and surrounding areas appear similar to the previous photograph.

1982 – Some orchard trees have been removed in the northwest corner of the property. Yosemite Avenue/Highway 120 has been widened, north of the property. Some residential development has occurred to the southeast of the property.

1984 – More orchard trees have been removed in the northwest corner of the property. Residential development continues south and east of the property. The subject property and surrounding areas otherwise appear similar to the previous photograph.

1993 – Sparse orchard trees remain on the property. Residential development continues south and east of the property. The subject property and surrounding areas otherwise appear similar to the previous photograph.

2006 – No orchard trees remain on the property. The drainage pond no longer appears in the southeast corner of the property. Some shade or shed structures appear around the north residence. A residential subdivision appears directly south and east of the property, as well as a park next to the southeast corner.

2009 – Additional shed or shade structures appear around the north residence. The subject property and surrounding areas otherwise appear similar to the previous photograph.

2012 –The subject property and surrounding areas appear similar to the previous photograph.

2016 – The subject property and surrounding areas appear similar to the previous photograph.

2020 – The subject property and surrounding areas appear similar to the previous photograph.

5.4 City Directories

City and telephone directories record names and businesses located at a particular numeric property address by year (using Cole Information Services, the R. L. Polk & Co. City Directories, Pacific Bell, Pacific Directory and Pacific Telephone phone books and the Haines Criss-Cross Directories as available from 1922 to 2017). The EDR City Directory report with listings for surrounding addresses is presented in the appendices. Several listings were reported for the subject property. No listings were reported that would indicate potential concerns associated with prior use of the site or surrounding properties.

5.5 Summary of Historical Data

Based upon the information that was available and presented above, it appears that the subject property was predominantly in agricultural use prior to 1993 for vineyard, orchard tree, and row crop farming, according to topographic maps and aerial photographs. Row crop farming appears to have begun prior to 1937 and continued until sometime between 1968 and 1975. Orchard tree farming appears to have begun prior to 1957 and continued until the mid-1990's. According to San Joaquin County records and the owner response to the ESA Questionnaire, a dog kennel/training facility operated at the property beginning circa 1995. Based on observations during our site reconnaissance, the dog kennel is no longer in operation. Based on Google Earth images and historical aerial photographs, it appears that the existing residences and CMU barn were constructed between 1950 and 1963. Several nonpermanent shed and shade structures have been added to the property since about 2006. The property has been otherwise undeveloped and fallow with use for dog kennels and livestock grazing since about 2006. Overgrown vegetation, debris, and garbage were observed around the northern residence at the time of our site reconnaissance, as well as numerous nonpermanent structures. Several irrigation structures are present along the alignment of the north-south boundary between the two parcels.

Based on the information provided above, it is BGG's professional opinion that the intent of the ASTM guidelines for prior use history has been met, and no prior usage of the subject property was identified that would indicate the need for additional study. EDR historical topographic maps and aerial photographs are contained in the appendices.

5.6 Environmental Database Tables

BGG reviewed environmental databases provided by EDR to determine whether the subject property or neighboring properties were suspected of having or known to have environmental concerns likely to adversely impact the subject property. EDR has provided a tax map showing the parcel location as part of their EDR Map Report coverage (see appendices). A summary of the identified selected sites is provided in the appendices of this report for Federal, State, and EDR Proprietary databases. A detailed listing and

description of the databases reviewed, and a listing of the sites identified, are provided in the EDR Radius Map in the appendices.

There were no sites listed on databases prepared by EDR as being within about one mile of the subject property that may indicate potential ground water contaminants on nearby sites. The remaining sites and any EDR "orphan" listings may be for possible sites with hazardous materials generation and management in the property vicinity. These other reported sites are either side gradient or down gradient of the regional groundwater flow direction and at distances from the property such that in our opinion, groundwater contaminants and soil vapor contaminants should not affect the subject property (see also the preliminary review for soil vapor in the Vapor Encroachment Report in the appendices). In our opinion, no spill incidents noted by EDR were noted which appear to have the potential for soil vapor or groundwater contaminant impact to the subject property. Several facilities that reportedly use, generate, store, or treat hazardous materials in the area were also identified in the region on the searched databases. No active landfills or transfer stations were identified within the radius searched.

5.7 Vapor Encroachment Screen

BGG reviewed Vapor Encroachment mapping provided by EDR to determine whether the subject property or neighboring properties were suspected of having or known to have environmental concerns likely to cause vapor encroachment to the subject property. EDR has provided mapping showing the parcel location as part of their EDR Vapor Encroachment Screen (see appendices). A summary of the identified selected sites is typically provided in the report; however no nearby sites or high-risk records were identified. A detailed listing and description of the databases reviewed is provided in the EDR Encroachment Screen in the appendices.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

A BGG representative performed a site reconnaissance on June 20, 2023 to view the property and immediate surrounding area (see Plates 1 and 2 and Site Photographs in Appendix A).

6.2 General Site Setting

The property is located in an area with agricultural use and developed with residential subdivisions, in Escalon, California (see Plates 1 and 2 and Site Photographs contained in Appendix A). The approximately 17.97-acre property is located on the south side of Yosemite Avenue/Highway 120 and east side of Brennan Road, north of California Street and west of Edgewood Avenue.

The property is currently undeveloped and fallow with the eastern portion in use for livestock pasture. BGG did not observe any stains, drains, sumps, pits, ponds, standing water, foul odors, or surface evidence of possible hazardous materials suggestive of contaminant presence on the property.

6.3 Preliminary Asbestos Screening

A material is defined to be Asbestos-Containing Material (ACM), under California State regulations, if it contains greater than 0.1% asbestos by weight. When referring to asbestos, friable means the material, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Friable ACM are more likely than non-friable ACM to release fibers when disturbed or damaged. The level of the preliminary screening performed by BGG was designed solely to identify the presence of the most obvious and common ACM, not to comply with the survey requirements of the Asbestos Hazard Emergency Response Act (AHERA) of 1986.

The Occupational Safety and Health Administration (OSHA) found the installation of friable surfacing material and thermal system insulation after December 31, 1980 unlikely (however some ACM may have been used to the late 1980s). The definition of suspect ACM and presumed ACM is taken from 29 CRF Parts 1910, et al, Occupational Exposure to Asbestos; Final Rule.

Since the property contains residences and a barn constructed prior to 1963, screening for ACM in and around the residences and barn should be performed prior to demolition and removal of the structures.

6.4 PCB-Containing Transformer Search

BGG observed two pole-mounted transformers located on power poles along the western property boundary along Brennan Road; however, visual evidence of leaks or stains was not observed.

6.5 Storage Tank Search

BGG did not observe evidence of underground storage tanks (USTs) during our site reconnaissance. An above-ground storage tank (AST) for propane was observed north of the south residence. Review of available public records did not report any ASTs or USTs presently or historically on the subject site. BGG did not observe visual evidence of leaks or stains near the AST. Review of available public records did not report any ASTs or USTs presently or historically on the subject property.

6.6 Radon Screening

Individual states have conducted a statewide screening for indoor radon to determine whether there are particular regions that are more prone to indoor radon problems than others. BGG has obtained copies of this information and the subject site lies within an area determined to have a radon Zone Level of 3. Zone 3 has a predicted average indoor screening level of less than 2 picocuries per liter (pCi/L). The USEPA action level for radon is 4 pCi/L. Radon is not considered to be a recognized environmental concern for the subject property.

6.8 Preliminary Lead-Based Paint Screening

Lead-Based Paint (LBP) as defined in the department of Housing and Urban Development (HUD) regulations, are paints that contain greater than 0.5% or 5,000 ppm of lead, based on dry weight. Section 302 of the Lead-Based Paint Poison Prevention act requires public housing projects to be inspected for LBP. The Consumer Product Safety Commission (CPSC) banned the sale of paints containing more than 600 ppm of lead to consumers in 1978. The CPSC ban does not apply to structural steel building components, such as columns, beams, and decking, that are painted as part of the fabrication process.

Since the property contains two residences and a barn constructed prior to 1963, screening for LBP should be performed prior to demolition and removal of the structures.

6.9 Lead in Drinking Water

The subject property contains a private drinking water well and is connected to the South San Joaquin Irrigation District irrigation water system. The existing domestic well and irrigation utilities will be abandoned for the proposed site development and the site will be connected to a public drinking water source upon development.

7.0 INTERVIEWS

7.1 Interviews with the Owner(s) and Occupants

ESA Questionnaires were provided to the current property owner, identified as Carr Escalon Property, LLC, for both parcels. Completed questionnaires were returned for each parcel by Chester Murphy, managing member, and are included in the appendices of this report. The tenants of the existing residence were not interviewed.

7.2 Interviews with the Local Government Officials

BGG reviewed the City of Escalon Building Department and the San Joaquin Community Development Department records for building permits and planning permit files. A building permit record for a water heater replacement in 2023 was located for the residence at 18112 Brennan Road. A review of EDR records searched did not reveal any building permit records. No underground storage tanks or contaminant or hazardous materials problems are present according to the search performed by EDR. BGG also used web-based search software for the County of Stanislaus, DTSC ENVIROSTOR database, and Regional Water Quality Control Board (RWQCB) GeoTracker database and there were no listings for the property.

8.0 FINDINGS

8.1 Findings

Based upon the information that was available and presented above, it appears that the subject property was historically in use for predominantly row crop and orchard tree agriculture until about 1993. The existing residences and CMU barn were constructed between 1957 and 1963. Several nonpermanent shade and shed structures have been added to the property since circa 2006. The site has been predominantly vacant and fallow with use for livestock pasture and a dog kennel/training facility since circa 1993, according to County records, topographic maps, and aerial photographs dating from 1914. A search of regulatory agencies shows that there are no reports or files for contaminant problems, hazardous materials, or underground storage tanks for the subject property.

9.0 DATA GAPS AND DEVIATIONS

9.1 Data Gaps

Data gaps are described as a lack of or inability to obtain information required by the ASTM1527-13 standard practice despite good faith efforts by the environmental professional or landowner. A review of topographic maps (1914 through 2018), Sanborn Maps, City Directories and aerial photographs (1937 through 2020) verify the previously discussed property history. The available regulatory records show no files for the property for hazardous materials use or contaminant problems. Evidence of possible hazardous materials use or disposal on the property was not observed during our site reconnaissance and BGG received completed ESA questionnaires from the current property owner. It is our opinion that the property history is sufficiently complete.

9.2 Deviations

The ASTM standard practice guidance states that historic records should be reviewed for all Phase I ESAs, including an interview of the owner. Given the detailed review of historic property records and the responses received to the ESA owner questionnaires, it is our opinion that there are no deviations from the guidance and further investigation is not warranted.

10.0 CONCLUSIONS

10.1 Conclusions

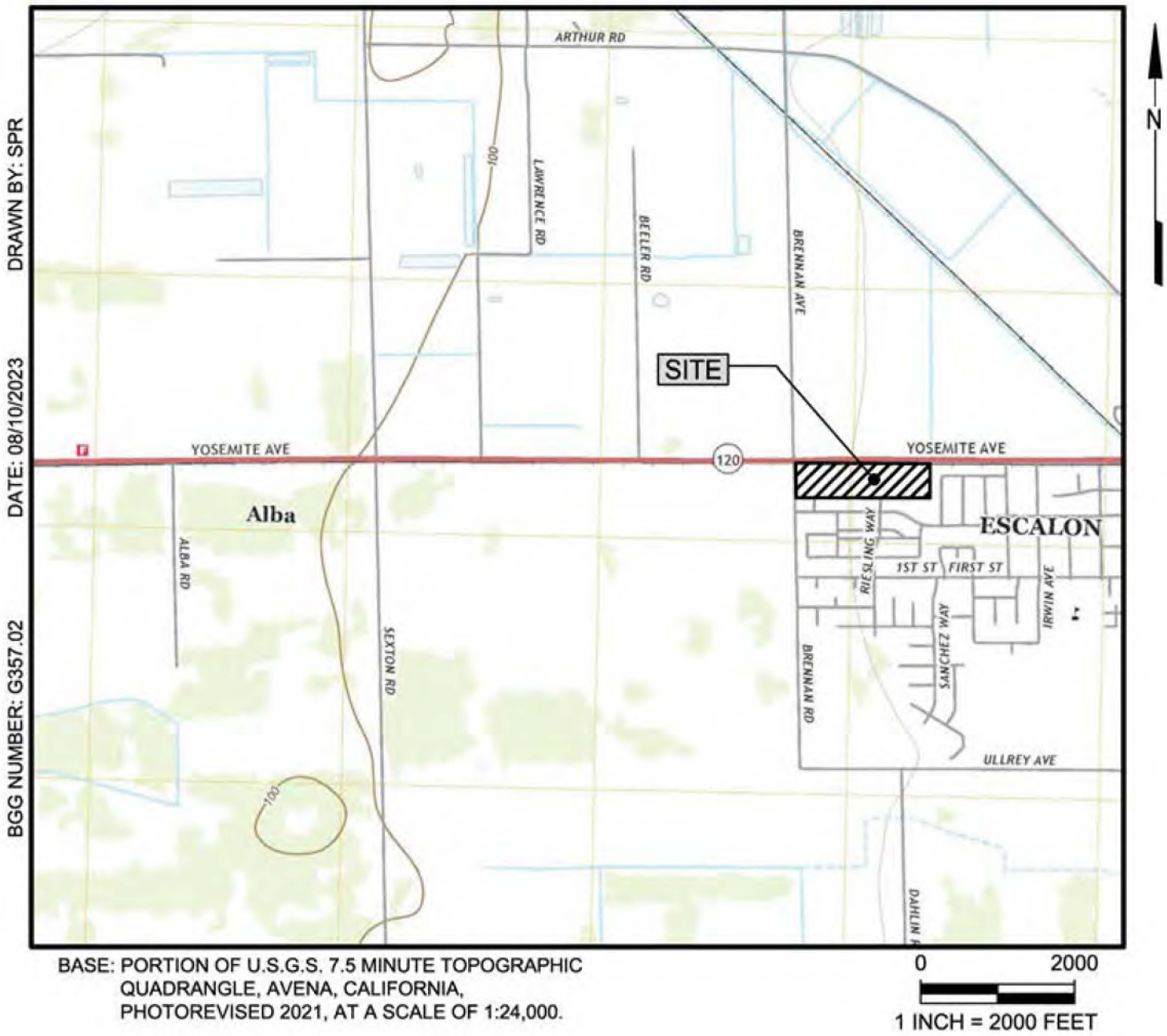
Baez Geotechnical Group (BGG) has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13 for the subject property which is located on the south side of Yosemite Avenue/Highway 120 and east side of Brennan Road, north of California Street and west of Edgewood Avenue, in Escalon, California (identified as APNs 225-04-028 and 225-04-029). Any exceptions to or deletions from this practice are described in this report. This assessment has not revealed evidence of RECs, HRECs, or CRECs in connection with the property.

The property has historic agricultural use for orchard tree and row crop agriculture prior to 1993. The property contains two residences that were constructed between 1957 and 1963 and a CMU barn structure that was constructed between 1950 and 1957. Several nonpermanent shade and shed structures were added to the property beginning circa 2000. The property has been predominantly vacant and fallow with use for livestock pasture and a dog kennel/training facility since about 1993. BGG did not find evidence that current use of the property would indicate the likelihood of environmental impairment to the subject property. In addition, BGG did not observe visual evidence of hazardous-material contamination, detect indications of improper hazardous material storage or disposal, or identify significant concerns relating to PCBs, USTs, ASTs, ACM, LBP or Radon at the subject property.

Based on the available information contained herein, we did not identify any evidence of migration of hazardous materials, contaminant spills or petroleum products including solids, liquids in the surface or subsurface, or groundwater or soil vapor in the subsurface on the property. The EDR vapor encroachment conditions (VEC) preliminary screening indicates that a VEC can be ruled out since a VEC does not or is not likely to exist based on soil conditions and distance to reported possible sources.

BGG recommends the following:

- Screening for ACM and LBP should be performed in and around the existing residences and CMU barn, prior to their demolition and removal from the site.
- The existing propane AST located north of the south residence (18112 Brennan) should be removed from the property with proper handling and documentation.
- Existing domestic water wells should be properly abandoned with proper permitting and oversight from San Joaquin County Environmental Health.
- Miscellaneous debris, garbage, and nonpermanent shade/shed structures located throughout the property should be removed and properly disposed.



VICINITY MAP

MURPHY RANCH

18092 & 18112 BRENNAN ROAD

APNs: 225-04-028 & 225-04-029

ESCALON, CALIFORNIA

FOR

FLORSHEIM HOMES, INC.

BAEZ GEOTECHNICAL GROUP

PLATE 1

DRAWN BY: SPR

DATE: 08/05/2023

BGG NUMBER: G357.02



BASE: GOOGLE EARTH IMAGE 4/6/2022.

EXPLANATION

——-·—— APPROXIMATE PROPERTY/APN BOUNDARY

T APPROXIMATE LOCATION OF POLE-MOUNTED TRANSFORMER

BAEZ GEOTECHNICAL GROUP

VICINITY MAP

MURPHY RANCH

18092 & 18112 BRENNAN ROAD

APNs: 225-04-028 & 225-04-029

ESCALON, CALIFORNIA

FOR

FLORSHEIM HOMES, INC.

PLATE 2

APPENDIX A

Site Photographs

DRAWN BY: SPR

DATE: 08/08/2023

BGG NUMBER: G357.02



PHOTO 1 - VIEW FROM NORTWEST CORNER OF PROPERTY LOOKING SOUTH-SOUTHEAST INTO PROPERTY, WITH VIEW OF CMU BARN AND RESIDENCE IN BACKGROUND.



PHOTO 2 - VIEW FROM NORTHWEST CORNER OF PROPERTY LOOKING EAST ALONG NORTHERN PROPERTY BOUNDARY (YOSEMITE AVENUE/CA-120 & RAILROAD TRACKS).

BAEZ GEOTECHNICAL GROUP

SITE PHOTOGRAPHS

DRAWN BY: SPR

DATE: 08/08/2023

BGG NUMBER: G357.02



PHOTO 3 - VIEW FROM NORTHERN PROPERTY BOUNDARY LOOKING SOUTH INTO PROPERTY ALONG IRRIGATION VALVE ALIGNMENT.



PHOTO 4 - VIEW FROM NORTHERN PROPERTY BOUNDARY LOOKING WEST INTO PROPERTY (YOSEMITE AVENUE/CA-120 AND RAILROAD TRACKS ON RIGHT).

BAEZ GEOTECHNICAL GROUP

SITE PHOTOGRAPHS

DRAWN BY: SPR

DATE: 08/08/2023

BGG NUMBER: G357.02



PHOTO 5 - VIEW FROM NORTHERN PROPERTY BOUNDARY LOOKING EAST INTO PROPERTY (YOSEMITE AVENUE/CA-120 AND RAILROAD TRACKS ON LEFT).



PHOTO 6 - VIEW FROM NEAR NORTHEAST CORNER OF PROPERTY LOOKING EAST INTO PROPERTY (YOSEMITE AVENUE/CA-120 AND RAILROAD TRACKS ON RIGHT).

BAEZ GEOTECHNICAL GROUP

SITE PHOTOGRAPHS

DRAWN BY: SPR

DATE: 08/08/2023

BGG NUMBER: G357.02



PHOTO 7 - VIEW FROM NEAR SOUTHEAST CORNER OF PROPERTY
LOOKING WEST INTO PROPERTY AND PASTURE.



PHOTO 8 - VIEW FROM MIDDLE OF EASTERN PROPERTY BOUNDARY LOOKING SOUTH
INTO PROPERTY ALONG PERIMETER IRRIGATION DITCH.

BAEZ GEOTECHNICAL GROUP

SITE PHOTOGRAPHS

DRAWN BY: SPR

DATE: 08/08/2023

BGG NUMBER: G357.02



PHOTO 9 - VIEW FROM SOUTHERN PROPERTY BOUNDARY LOOKING EAST INTO PROPERTY WITH NORTH END OF RIESLING WAY ON RIGHT.



PHOTO 10 - VIEW FROM EAST OF OF SOUTH RESIDENCE DRIVEWAY LOOKING WEST TOWARD BRENNAN ROAD, WITH VIEW OF SOUTH RESIDENCE AND CMU BARN.

BAEZ GEOTECHNICAL GROUP

SITE PHOTOGRAPHS

DRAWN BY: SPR

DATE: 08/08/2023

BGG NUMBER: G357.02



PHOTO 11 - VIEW OF SOUTH RESIDENCE (18112 BRENNAN ROAD) LOOKING NORTH AT RESIDENCE AND PAVED DRIVEWAY.



PHOTO 12 - VIEW LOOKING NORTH AT EAST END OF NORTH RESIDENCE (18092 BRENNAN ROAD), SHADE STRUCTURES, AND DEBRIS.

BAEZ GEOTECHNICAL GROUP

SITE PHOTOGRAPHS

DRAWN BY: SPR

DATE: 08/08/2023

BGG NUMBER: G357.02



PHOTO 13 - VIEW LOOKING EAST AT CMU BARN LOCATED NEAR SOUTHERN PROPERTY BOUNDARY, EAST OF SOUTH RESIDENCE (18112 BRENNAN ROAD).



PHOTO 14 - VIEW OF INSIDE OF SHED STRUCTURE ON NORTH SIDE OF SOUTH RESIDENCE (18112 BRENNAN ROAD).

BAEZ GEOTECHNICAL GROUP

SITE PHOTOGRAPHS

DRAWN BY: SPR

DATE: 08/08/2023

BGG NUMBER: G357.02



PHOTO 15 - VIEW LOOKING WEST AT DEBRIS AND TEMPORARY CANOPY STRUCTURES LOCATED NEAR NORTH RESIDENCE (18092 BRENNAN ROAD).



PHOTO 16 - VIEW OF DOMESTIC WATER WELL HEAD, WATER TANK, AND PROPANE TANK LOCATED ON NORTH SIDE OF SOUTH RESIDENCE (18112 BRENNAN ROAD).

BAEZ GEOTECHNICAL GROUP

SITE PHOTOGRAPHS

APPENDIX B

EDR Radius Map Report

Murphy Ranch
Brennan Road & Yosemite Avenue
Escalon, CA 95320

Inquiry Number: 7361112.5s
June 13, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BRENNAN ROAD & YOSEMITE AVENUE
ESCALON, CA 95320

COORDINATES

Latitude (North):	37.7976900 - 37° 47' 51.68''
Longitude (West):	121.0115770 - 121° 0' 41.67''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	675069.9
UTM Y (Meters):	4185025.8
Elevation:	112 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12021559 AVENA, CA
Version Date:	2018
East Map:	12007879 ESCALON, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140628
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
BRENNAN ROAD & YOSEMITE AVENUE
ESCALON, CA 95320

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	PLANT #2	390 CALIFORNIA STREE	US MINES, ABANDONED MINES	Lower	75, 0.014, WSW
A2	PLANT #1	390 CALIFORNIA STREE	US MINES, ABANDONED MINES	Lower	75, 0.014, WSW
A3	PLANT #3	390 CALIFORNIA STREE	US MINES, ABANDONED MINES	Lower	75, 0.014, WSW
A4	ADVANCED ROCK CRUSHI		US MINES	Lower	159, 0.030, SW
5	PETE GONZALES	23913 HIGHWAY 120	HIST UST	Lower	358, 0.068, WNW
6	MULLENIX, JOHN & CHE	515 FIRST ST	UST	Higher	1111, 0.210, SE
B7	DOMENIC L BAVA	18429 BRENNAN RD	HIST UST	Lower	1130, 0.214, SW
B8	DOMENIC L BAVA	18429 S BRENNAN	HIST UST	Lower	1145, 0.217, SW
9	VITO BAVARO	1641 WALNUT	HIST UST	Higher	1236, 0.234, ESE
10	MANUELA DE ROCHA	543 FIRST ST.	RCRA NonGen / NLR	Higher	1271, 0.241, SE
11	WRIGHTS PETROLEUM	1212 WEISS WAY	ENVIROSTOR	Higher	3655, 0.692, East
12	HOFS QUALITY CLEANER	1714 MAIN ST	ENVIROSTOR	Higher	4548, 0.861, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---- National Priority List
Proposed NPL ---- Proposed National Priority List Sites
NPL LIENS ---- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---- Federal Facility Site Information listing
SEMS ---- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---- RCRA - Large Quantity Generators
RCRA-SQG ---- RCRA - Small Quantity Generators
RCRA-VSQG ---- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ..... Solid Waste Information System

Lists of state and tribal leaking storage tanks

LUST ..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ..... Waste Management Unit Database
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register

HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
CERS HAZ WASTE ---- CERS HAZ WASTE
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST ---- SWEEPS UST Listing
CA FID UST ---- Facility Inventory Database
CERS TANKS ---- California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations

EXECUTIVE SUMMARY

FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
HAZNET	Facility and Manifest Data
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
HAZMAT	Hazardous Material Facilities
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)

EXECUTIVE SUMMARY

WELL STIM PROJ ---------- Well Stimulation Project (GEOTRACKER)
PFAS TRIS ---------- List of PFAS Added to the TRI
MINES MRDS ---------- Mineral Resources Data System
HWTS ---------- Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/23/2023 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WRIGHTS PETROLEUM Facility Id: 39510002 Status: Refer: Other Agency	1212 WEISS WAY	E 1/2 - 1 (0.692 mi.)	11	29
HOFS QUALITY CLEANER Facility Id: 39720002 Status: Refer: Other Agency	1714 MAIN ST	E 1/2 - 1 (0.861 mi.)	12	30

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MULLENIX, JOHN & CHE Database: UST SAN JOAQUIN, Date of Government Version: 06/22/2018 Tank Status: 02 - Inactive, non-billable Facility Id: FA0012195	515 FIRST ST	SE 1/8 - 1/4 (0.210 mi.)	6	24

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VITO BAVARO Facility Id: 00000006996	1641 WALNUT	ESE 1/8 - 1/4 (0.234 mi.)	9	26

Lower Elevation	Address	Direction / Distance	Map ID	Page
PETE GONZALES Facility Id: 00000019334	23913 HIGHWAY 120	WNW 0 - 1/8 (0.068 mi.)	5	23
DOMENIC L BAVA Facility Id: 00000022080	18429 BRENNAN RD	SW 1/8 - 1/4 (0.214 mi.)	B7	25
DOMENIC L BAVA	18429 S BRENNAN	SW 1/8 - 1/4 (0.217 mi.)	B8	26

EXECUTIVE SUMMARY

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANUELA DE ROCHA EPA ID:: CAC003217800	543 FIRST ST.	SE 1/8 - 1/4 (0.241 mi.)	10	27

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, has revealed that there are 4 US MINES sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PLANT #2 Database: MINES VIOLATIONS, Date of Government Version: 04/03/2023	***390 CALIFORNIA STREE***	***WSW 0 - 1/8 (0.014 mi.)***	***A1***	***9***
PLANT #1 Database: MINES VIOLATIONS, Date of Government Version: 04/03/2023	***390 CALIFORNIA STREE***	***WSW 0 - 1/8 (0.014 mi.)***	***A2***	***11***
PLANT #3 Database: MINES VIOLATIONS, Date of Government Version: 04/03/2023	***390 CALIFORNIA STREE***	***WSW 0 - 1/8 (0.014 mi.)***	***A3***	***18***
ADVANCED ROCK CRUSHI Database: US MINES, Date of Government Version: 02/02/2023 Mine ID:: 0405864		SW 0 - 1/8 (0.030 mi.)	A4	23

ABANDONED MINES: An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

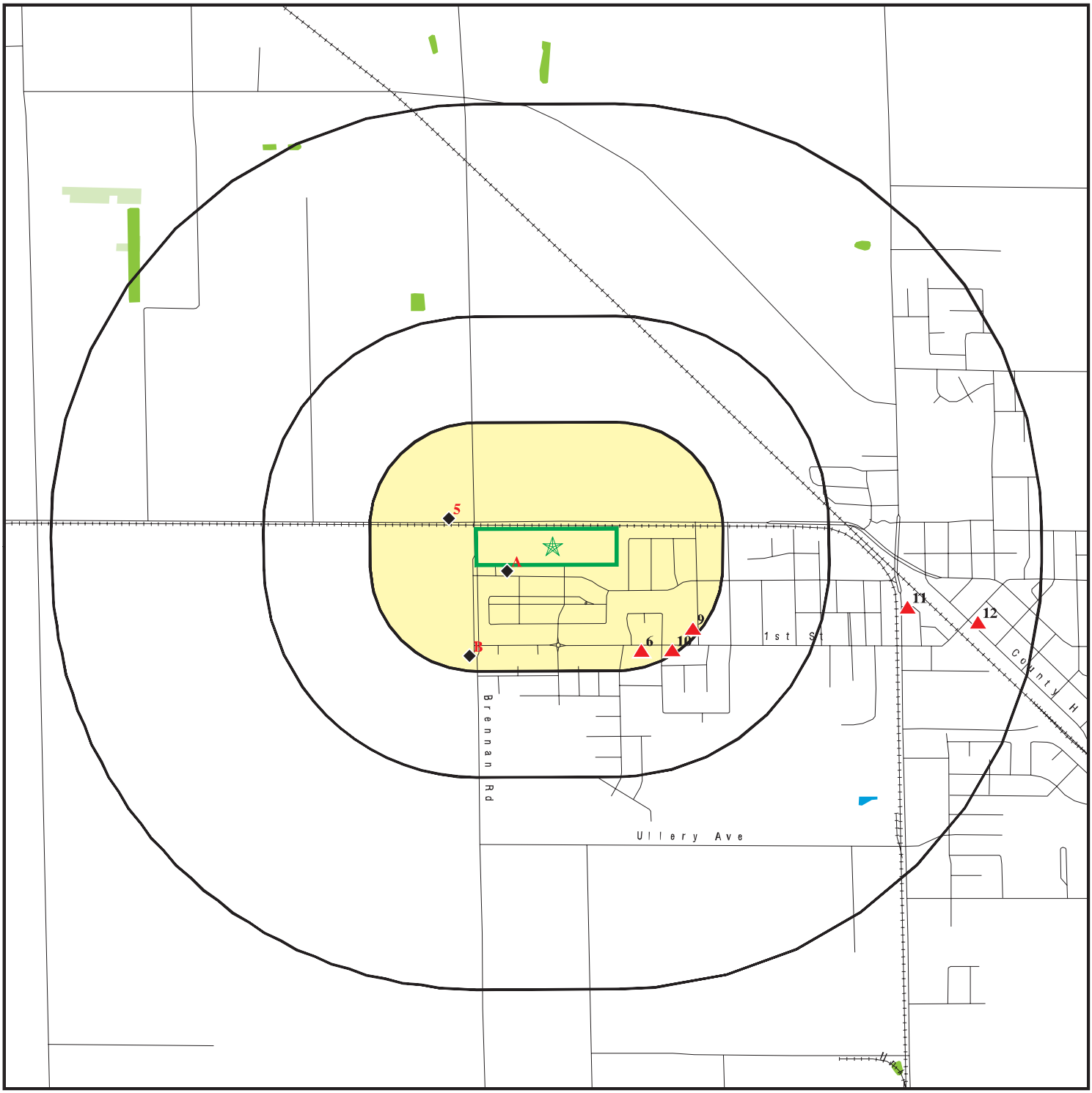
A review of the ABANDONED MINES list, as provided by EDR, and dated 03/17/2023 has revealed that there are 3 ABANDONED MINES sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PLANT #2	***390 CALIFORNIA STREE***	***WSW 0 - 1/8 (0.014 mi.)***	***A1***	***9***
PLANT #1	***390 CALIFORNIA STREE***	***WSW 0 - 1/8 (0.014 mi.)***	***A2***	***11***
PLANT #3	***390 CALIFORNIA STREE***	***WSW 0 - 1/8 (0.014 mi.)***	***A3***	***18***

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7361112.5S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Murphy Ranch	CLIENT:	Baez Geotechnical Group
ADDRESS:	Brennan Road & Yosemite Avenue Escalon CA 95320	CONTACT:	Stefanie Parman
LAT/LONG:	37.79769 / 121.011577	INQUIRY #:	7361112.5s
		DATE:	June 13, 2023 11:56 am

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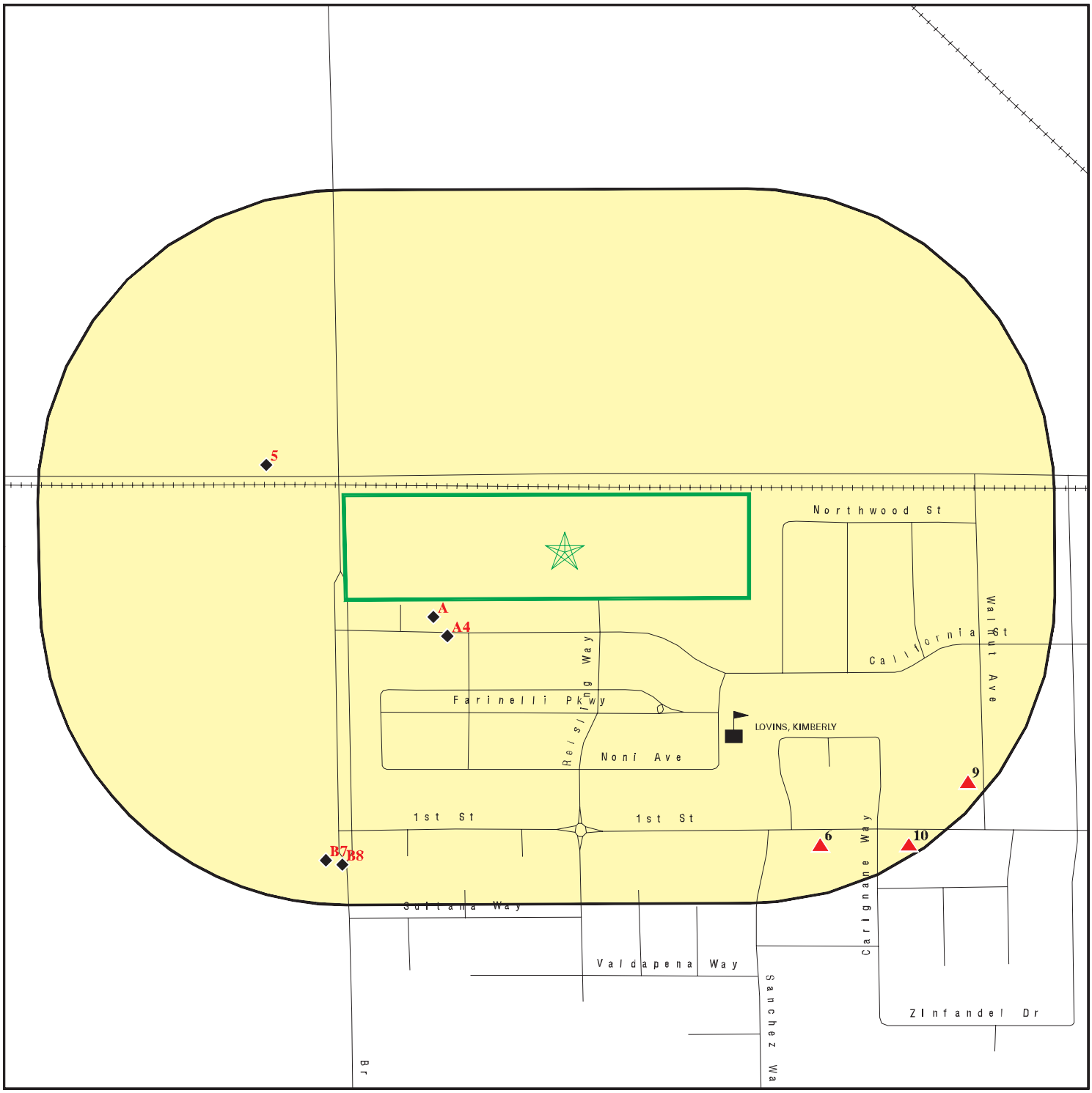
DETAIL MAP - 7361112.5S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Murphy Ranch	CLIENT:	Baez Geotechnical Group
ADDRESS:	Brennan Road & Yosemite Avenue Escalon CA 95320	CONTACT:	Stefanie Parman
LAT/LONG:	37.79769 / 121.011577	INQUIRY #:	7361112.5s
		DATE:	June 13, 2023 11:59 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	2	NR	2
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		1	3	NR	NR	NR	4
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		4	0	NR	NR	NR	4
ABANDONED MINES	0.250		3	0	NR	NR	NR	3
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	8	5	0	2	0	15

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
WSW
< 1/8
0.014 mi.
75 ft.

PLANT #2
390 CALIFORNIA STREET
ESCALON, CA 95320

Site 1 of 4 in cluster A

US MINES **1024907071**
ABANDONED MINES **N/A**

Relative:
Lower

Actual:
111 ft.

MINES VIOLATIONS:

Name:	PLANT #2
Address:	390 CALIFORNIA STREET
City,State,Zip:	ESCALON, CA 95320
Facility ID:	Not reported

MINES VIOLATIONS:

Violation Number:	8699148
Mine ID:	0405864
Contractor ID:	Not reported
Date Issued:	04/18/2013
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	04/18/2013
Title 30 Code of Federal Regulations:	56.1000
Proposed Penalty:	100
Assessment Amount:	100
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2013
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #2
Ownership Date:	03/06/2013
Mine Status:	Abandoned
Status Date:	07/21/2014
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8699149
Mine ID:	0405864
Contractor ID:	Not reported
Date Issued:	04/18/2013
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	Not reported
Title 30 Code of Federal Regulations:	50.30(a)
Proposed Penalty:	Not reported
Assessment Amount:	Not reported
Paid Penalty Amount:	Not reported
Assessment Case Status:	Not reported
Assessment Status:	Not reported
Year:	2013

PLANT #2 (Continued) **1024907071**

Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #2
Ownership Date:	03/06/2013
Mine Status:	Abandoned
Status Date:	07/21/2014
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

ABANDONED MINES:

Mine ID:	0405864
Mine Name:	PLANT #2
Mine Address:	390 CALIFORNIA STREET
City,State,Zip:	ESCALON, CA 95320
Primary SIC Code:	Sand, Industrial NEC
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	7/21/2014
Coal (C) or Metal (M) Mine:	M
Controller ID:	0088575
Controller Name:	Deawn Weiher; Todd Weiher
Operator ID:	0104705
Operator name:	Advanced Rock Crushing Service, LLC
Address of Record Street:	390 California Street
Address of Record PO Box:	Not reported
Address of Record City:	Escalon
Address of Record State:	CA
Address of Record Zip Code:	95320
Assessment Address Street:	390 California Street
Assessment Address PO Box:	Not reported
Assessment Address City:	ESCALON
Assessment Address State:	CA
Assessment Address Zip Code:	95320
Mine Health and Safety Address Street:	390 California Street
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Escalon
Mine Health and Safety Address State:	CA
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	37.796944
Longitude:	-121.013611

A2
WSW
< 1/8
0.014 mi.
75 ft.

PLANT #1
390 CALIFORNIA STREET
ESCALON, CA 95320

Site 2 of 4 in cluster A

US MINES **1024907022**
ABANDONED MINES **N/A**

Relative:
Lower

Actual:
111 ft.

MINES VIOLATIONS:

Name:	PLANT #1
Address:	390 CALIFORNIA STREET
City,State,Zip:	ESCALON, CA 95320
Facility ID:	Not reported

MINES VIOLATIONS:

Violation Number:	7980742
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	10/19/2009
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	10/21/2009
Title 30 Code of Federal Regulations:	56.1000
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2009
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	7980757
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	11/16/2009
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	11/16/2009
Title 30 Code of Federal Regulations:	50.30(a)
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2009

PLANT #1 (Continued) **1024907022**

Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8603488
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	05/17/2011
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	05/31/2011
Title 30 Code of Federal Regulations:	56.1000
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2011
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8603489
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	05/17/2011
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	05/25/2011

PLANT #1 (Continued) **1024907022**

Title 30 Code of Federal Regulations:	56.14132(a)
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2011
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8603490
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	05/17/2011
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	05/25/2011
Title 30 Code of Federal Regulations:	56.11027
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2011
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8603491

PLANT #1 (Continued) **1024907022**

Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	05/25/2011
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	05/26/2011
Title 30 Code of Federal Regulations:	56.4101
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2011
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8695991
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	12/04/2012
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	12/06/2012
Title 30 Code of Federal Regulations:	56.14132(a)
Proposed Penalty:	100
Assessment Amount:	100
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2012
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned

PLANT #1 (Continued) **1024907022**

Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN
Violation Number:	8695992
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	12/04/2012
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	03/04/2013
Title 30 Code of Federal Regulations:	56.13015
Proposed Penalty:	100
Assessment Amount:	100
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2012
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN
Violation Number:	8695993
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	12/04/2012
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	12/06/2012
Title 30 Code of Federal Regulations:	56.13011
Proposed Penalty:	100
Assessment Amount:	100
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2012
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON

PLANT #1 (Continued) **1024907022**

State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN
Violation Number:	8695994
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	12/06/2012
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	12/06/2012
Title 30 Code of Federal Regulations:	50.30(a)
Proposed Penalty:	100
Assessment Amount:	100
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2012
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN
Violation Number:	8695995
Mine ID:	0405792
Contractor ID:	Not reported
Date Issued:	12/06/2012
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	12/06/2012
Title 30 Code of Federal Regulations:	50.30(a)
Proposed Penalty:	100
Assessment Amount:	100
Paid Penalty Amount:	0

PLANT #1 (Continued) **1024907022**

Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2012
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #1
Ownership Date:	08/31/2009
Mine Status:	Abandoned
Status Date:	08/06/2013
Primary Site Description:	Sand, Industrial NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Click this hyperlink while viewing on your computer to access
1 additional US_MINES_VIOLATIONS: record(s) in the EDR Site Report.

ABANDONED MINES:

Mine ID:	0405792
Mine Name:	PLANT #1
Mine Address:	390 CALIFORNIA STREET
City,State,Zip:	ESCALON, CA 95320
Primary SIC Code:	Sand, Industrial NEC
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	8/6/2013
Coal (C) or Metal (M) Mine:	M
Controller ID:	0088575
Controller Name:	Deawn Weiher; Todd Weiher
Operator ID:	0104705
Operator name:	Advanced Rock Crushing Service LLC
Address of Record Street:	390 California Street
Address of Record PO Box:	Not reported
Address of Record City:	Escalon
Address of Record State:	CA
Address of Record Zip Code:	95320
Assessment Address Street:	390 California Street
Assessment Address PO Box:	Not reported
Assessment Address City:	ESCALON
Assessment Address State:	CA
Assessment Address Zip Code:	95320
Mine Health and Safety Address Street:	390 California St.
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Escalon
Mine Health and Safety Address State:	CA
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

A3
WSW
< 1/8
0.014 mi.
75 ft.

PLANT #3
390 CALIFORNIA STREET
ESCALON, CA 95320

Site 3 of 4 in cluster A

US MINES **1024907073**
ABANDONED MINES **N/A**

Relative:
Lower

Actual:
111 ft.

MINES VIOLATIONS:

Name:	PLANT #3
Address:	390 CALIFORNIA STREET
City,State,Zip:	ESCALON, CA 95320
Facility ID:	Not reported

MINES VIOLATIONS:

Violation Number:	8699245
Mine ID:	0405866
Contractor ID:	Not reported
Date Issued:	09/12/2013
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	09/12/2013
Title 30 Code of Federal Regulations:	56.14100(d)
Proposed Penalty:	100
Assessment Amount:	100
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2013
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #3
Ownership Date:	03/27/2013
Mine Status:	Abandoned
Status Date:	11/17/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8699246
Mine ID:	0405866
Contractor ID:	Not reported
Date Issued:	09/12/2013
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	09/12/2013
Title 30 Code of Federal Regulations:	56.11003
Proposed Penalty:	100
Assessment Amount:	100
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2013

PLANT #3 (Continued) **1024907073**

Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #3
Ownership Date:	03/27/2013
Mine Status:	Abandoned
Status Date:	11/17/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8699247
Mine ID:	0405866
Contractor ID:	Not reported
Date Issued:	09/12/2013
Action Type:	104(g)(1)
Type of Issue:	Order
S and S:	N
Term Date:	09/15/2013
Title 30 Code of Federal Regulations:	46.7(b)
Proposed Penalty:	112
Assessment Amount:	112
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2013
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #3
Ownership Date:	03/27/2013
Mine Status:	Abandoned
Status Date:	11/17/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8699248
Mine ID:	0405866
Contractor ID:	Not reported
Date Issued:	09/12/2013
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	09/12/2013

PLANT #3 (Continued) **1024907073**

Title 30 Code of Federal Regulations:	56.4201(a)(2)
Proposed Penalty:	100
Assessment Amount:	100
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2013
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #3
Ownership Date:	03/27/2013
Mine Status:	Abandoned
Status Date:	11/17/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8699249
Mine ID:	0405866
Contractor ID:	Not reported
Date Issued:	09/12/2013
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	01/16/2014
Title 30 Code of Federal Regulations:	62.120
Proposed Penalty:	117
Assessment Amount:	117
Paid Penalty Amount:	0
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2013
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #3
Ownership Date:	03/27/2013
Mine Status:	Abandoned
Status Date:	11/17/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8785204

PLANT #3 (Continued) **1024907073**

Mine ID:	0405866
Contractor ID:	Not reported
Date Issued:	01/06/2014
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	01/06/2014
Title 30 Code of Federal Regulations:	56.12025
Proposed Penalty:	263.00
Assessment Amount:	263.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2014
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #3
Ownership Date:	03/27/2013
Mine Status:	Abandoned
Status Date:	11/17/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

Violation Number:	8785205
Mine ID:	0405866
Contractor ID:	Not reported
Date Issued:	01/06/2014
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	01/15/2014
Title 30 Code of Federal Regulations:	56.12028
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2014
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #3
Ownership Date:	03/27/2013
Mine Status:	Abandoned

PLANT #3 (Continued) **1024907073**

Status Date:	11/17/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN
Violation Number:	8785206
Mine ID:	0405866
Contractor ID:	Not reported
Date Issued:	01/06/2014
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	01/06/2014
Title 30 Code of Federal Regulations:	50.30(a)
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Proposed
Assessment Status:	Received
Year:	2014
Address Type:	MineLocation
PO Box:	Not reported
Address:	390 CALIFORNIA STREET
City:	ESCALON
State:	CA
Operator:	Advanced Rock Crushing Service, LLC
Zip:	95320
Mine Controller Name:	Deawn Weiher; Todd Weiher
Name:	PLANT #3
Ownership Date:	03/27/2013
Mine Status:	Abandoned
Status Date:	11/17/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	CA
County:	SAN JOAQUIN

ABANDONED MINES:

Mine ID:	0405866
Mine Name:	PLANT #3
Mine Address:	390 CALIFORNIA STREET
City,State,Zip:	ESCALON, CA 953208585
Primary SIC Code:	Crushed, Broken Stone NEC
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	11/17/2014
Coal (C) or Metal (M) Mine:	M
Controller ID:	0088575
Controller Name:	Deawn Weiher; Todd Weiher
Operator ID:	0104705
Operator name:	Advanced Rock Crushing Service, LLC
Address of Record Street:	390 California Street
Address of Record PO Box:	Not reported
Address of Record City:	Escalon
Address of Record State:	CA

PLANT #3 (Continued) **1024907073**

Address of Record Zip Code:	953208585
Assessment Address Street:	390 California Street
Assessment Address PO Box:	Not reported
Assessment Address City:	ESCALON
Assessment Address State:	CA
Assessment Address Zip Code:	953208585
Mine Health and Safety Address Street:	390 California Street
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	Escalon
Mine Health and Safety Address State:	CA
Mine Health and Safety Address Zip Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

A4 **ADVANCED ROCK CRUSHING SERVICE, LLC** **US MINES** **1016469158**
SW **N/A**
< 1/8 **SAN JOAQUIN (County), CA**
0.030 mi.
159 ft. **Site 4 of 4 in cluster A**

Relative: US MINES:
Lower

Sic Code(s):	144600
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Mine ID:	0405864
Entity Name:	PLANT #2
Company:	ADVANCED ROCK CRUSHING SERVICE, LLC
Status:	Permanently Abandoned
Status Date:	20140721
Operation Class:	2
Number of Shops:	0
Number of Plants:	0
Latitude Degree:	37
Longitude Degree:	121
Latitude Minute:	47
Latitude Seconds:	48
Longitude Minutes:	00
Longitude Seconds:	48
Number of Pits:	000

Actual:
111 ft.

---

5 **PETE GONZALES** **HIST UST** **U001605428**
WNW **23913 HIGHWAY 120** **N/A**
< 1/8 **ESCALON, CA 95320**
0.068 mi.
358 ft.

Relative: HIST UST:
Lower

Name:	PETE GONZALES
Address:	23913 HIGHWAY 120
City,State,Zip:	ESCALON, CA 95320
File Number:	0002ffda
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002ffda.pdf
Region:	STATE

Actual:
110 ft.

PETE GONZALES (Continued) **U001605428**

Facility ID:	00000019334
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	2098382264
Owner Name:	PETE GONZALES
Owner Address:	23913 HIGHWAY 120
Owner City,St,Zip:	ESCALON, CA 95320
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1960
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	10
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1960
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	REGULAR
Container Construction Thickness:	12
Leak Detection:	Visual

Click here for Geo Tracker PDF:

6
SE
1/8-1/4
0.210 mi.
1111 ft.

MULLENIX, JOHN & CHERYL **UST** **U004261029**
515 FIRST ST **N/A**
ESCALON, CA 95320

Relative:
Higher

Actual:
113 ft.

UST SAN JOAQUIN:

Name:	MULLENIX, JOHN & CHERYL
Address:	515 FIRST ST
City,State,Zip:	ESCALON, CA 95320
Region:	SJ
Facility Id:	FA0012195
Mail Address:	515 FIRST ST
Mail Address 2:	Not reported
Mail Care of:	JOHN & CHERYL MULLENIX
Mail City,St,Zip:	ESCALON, CA 95320
Tank Rec ID:	Not reported
Tank Number:	1
Tank Status:	02 - Inactive, non-billable
Tank Capacity:	4000
Product Type Desc:	(none)
Program Element:	2380
Decode for Program Element:	2380 - ADDITIONAL EXISTING UST - obsolete
Chemical Form:	(none)
CAS#:	Not reported
CERS ID:	Not reported
Cross Ref Tank ID:	Not reported

MULLENIX, JOHN & CHERYL (Continued) **U004261029**

LEA ID: 9
Common Name: Not reported
Date Installed: Not reported
Date of Closure: Not reported
Latitude: Not reported
Longitude: Not reported

B7 **DOMENIC L BAVA** **HIST UST** **U001605289**
SW **18429 BRENNAN RD** **N/A**
1/8-1/4 **ESCALON, CA 95320**
0.214 mi.
1130 ft. **Site 1 of 2 in cluster B**

Relative: **Lower**

Actual: **109 ft.**

HIST UST:
Name: DOMENIC L BAVA
Address: 18429 BRENNAN RD
City,State,Zip: ESCALON, CA 95320
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000022080
Facility Type: Gas Station
Other Type: FARM
Contact Name: SELF
Telephone: 2098382093
Owner Name: DOMENIC L BAVA
Owner Address: 18429 S BRENNAN
Owner City,St,Zip: ESCALON, CA 95320
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000350
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000350
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 12
Leak Detection: Visual

B8 **DOMENIC L BAVA** **HIST UST** **S118409382**
SW **18429 S BRENNAN** **N/A**
1/8-1/4 **ESCALON, CA 95320**
0.217 mi.
1145 ft. **Site 2 of 2 in cluster B**

Relative: **Lower**
Actual: **109 ft.**

HIST UST:

Name:	DOMENIC L BAVA
Address:	18429 S BRENNAN
City,State,Zip:	ESCALON, CA 95320
File Number:	0002fb63
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002fb63.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

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9 **VITO BAVARO** **HIST UST** **U001605493**
ESE **1641 WALNUT** **N/A**
1/8-1/4 **ESCALON, CA 95320**
0.234 mi.
1236 ft.

Relative: **Higher**
Actual: **115 ft.**

HIST UST:

Name:	VITO BAVARO
Address:	1641 WALNUT
City,State,Zip:	ESCALON, CA 95320
File Number:	0002b5b0
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002b5b0.pdf
Region:	STATE
Facility ID:	00000006996
Facility Type:	Other
Other Type:	RESIDENCE
Contact Name:	Not reported
Telephone:	2098381318
Owner Name:	VITO BEVARO
Owner Address:	WALNUT
Owner City,St,Zip:	ESCALON, CA 95320
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1981

VITO BAVARO (Continued) **U001605493**

Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	12
Leak Detection:	Visual

Click here for Geo Tracker PDF:

10
SE
1/8-1/4
0.241 mi.
1271 ft.

MANUELA DE ROCHA
543 FIRST ST.
ESCALON, CA 95320

RCRA NonGen / NLR **1027525232**
CAC003217800

Relative:
Higher

Actual:
114 ft.

RCRA Listings:

Date Form Received by Agency:	20230214
Handler Name:	Manuela De Rocha
Handler Address:	543 FIRST ST.
Handler City,State,Zip:	ESCALON, CA 95320
EPA ID:	CAC003217800
Contact Name:	JASON MAYER/SPECTRUM RESTORATION
Contact Address:	1115 BLACK DIAMOND WAY, SUITE A
Contact City,State,Zip:	LODI, CA 95240
Contact Telephone:	209-810-2568
Contact Fax:	Not reported
Contact Email:	MAYER456@COMCAST.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1115 BLACK DIAMOND WAY, SUITE A
Mailing City,State,Zip:	LODI, CA 95240
Owner Name:	Manuela De Rocha
Owner Type:	Other
Operator Name:	Jason Mayer/Spectrum Restoration
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

MANUELA DE ROCHA (Continued) **1027525232**

Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230215
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: MANUELA DE ROCHA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	543 FIRST ST.
Owner/Operator City,State,Zip:	ESCALON, CA 95320
Owner/Operator Telephone:	209-480-3603
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JASON MAYER/SPECTRUM RESTORATION	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1115 BLACK DIAMOND WAY, SUITE A
Owner/Operator City,State,Zip:	LODI, CA 95240
Owner/Operator Telephone:	209-810-2568
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20230214
Handler Name: MANUELA DE ROCHA	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported

MANUELA DE ROCHA (Continued) **1027525232**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

11
East
1/2-1
0.692 mi.
3655 ft.

WRIGHTS PETROLEUM **ENVIROSTOR** **S100190203**
1212 WEISS WAY **N/A**
ESCALON, CA 95320

Relative:
Higher

Actual:
117 ft.

ENVIROSTOR:

Name:	WRIGHTS PETROLEUM
Address:	1212 WEISS WAY
City,State,Zip:	ESCALON, CA 95320
Facility ID:	39510002
Status:	Refer: Other Agency
Status Date:	11/16/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Sacramento
Assembly:	Not reported
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.79566
Longitude:	-120.9963
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED

WRIGHTS PETROLEUM (Continued) **S100190203**

Alias Name: 39510002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/20/1982
Comments: FACILITY IDENTIFIED FROM COUNTY HEALTH LIST.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

12
East
1/2-1
0.861 mi.
4548 ft.

HOFS QUALITY CLEANERS **ENVIROSTOR** **S101482163**
1714 MAIN ST **N/A**
ESCALON, CA 95320

Relative:
Higher

Actual:
119 ft.

ENVIROSTOR:
Name: HOFS QUALITY CLEANERS
Address: 1714 MAIN ST
City,State,Zip: ESCALON, CA 95320
Facility ID: 39720002
Status: Refer: Other Agency
Status Date: 11/16/1994
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Sacramento
Assembly: 12
Senate: 05
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 37.79518
Longitude: -120.9932
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 39720002
Alias Type: Envirostor ID Number

HOFS QUALITY CLEANERS (Continued) **S101482163**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	03/07/1982
Comments:	FACILITY IDENTIFIED FROM DMI LIST.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2023
Date Data Arrived at EDR: 03/28/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/28/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/26/2023
Number of Days to Update: 78

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/26/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/26/2023
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/17/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 04/06/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/31/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/03/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/25/2023
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/19/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 08/02/2022
Date Data Arrived at EDR: 10/17/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/01/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 77

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/13/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/01/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/13/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/19/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/17/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/15/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/23/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 85

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/24/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/22/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/24/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/24/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/17/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 74

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 05/31/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 24

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/25/2023
Date Data Arrived at EDR: 03/31/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/31/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 64

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 59

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/23/2023
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432
Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1469
Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412
Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List
Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 816
Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1445
Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1441
Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 02/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1461
Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/03/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1459
Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 04/23/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 05/31/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1425
Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88
Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Annually

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/17/2023
Date Data Arrived at EDR: 02/17/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 81
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/15/2023
Number of Days to Update: 80
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/09/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/10/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 76
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83
Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83
Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/03/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 03/21/2023
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/23/2023
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/28/2023
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/22/2023
Number of Days to Update: 83

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/09/2023
Date Data Arrived at EDR: 03/10/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 75

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 4

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI
Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 12/28/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 79

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 01/31/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 76

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 01/30/2023
Date Data Arrived at EDR: 02/01/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/30/2023
Date Data Arrived at EDR: 02/01/2023
Date Made Active in Reports: 04/21/2023
Number of Days to Update: 79

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/31/2023
Number of Days to Update: 34

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/10/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 72

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/11/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82
Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/25/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 75

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 89

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/15/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/26/2023
Number of Days to Update: 78

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/14/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 82

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/09/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 05/31/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/10/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2022
Date Data Arrived at EDR: 01/26/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 83

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/17/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/27/2022
Date Data Arrived at EDR: 01/26/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 83

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/17/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2022
Date Data Arrived at EDR: 12/27/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 80

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2023
Date Data Arrived at EDR: 01/27/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 82

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/10/2022
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MURPHY RANCH
BRENNAN ROAD & YOSEMITE AVENUE
ESCALON, CA 95320

TARGET PROPERTY COORDINATES

Latitude (North):	37.79769 - 37° 47' 51.68''
Longitude (West):	121.011577 - 121° 0' 41.68''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	675069.9
UTM Y (Meters):	4185025.8
Elevation:	112 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12021559 AVENA, CA
Version Date:	2018
East Map:	12007879 ESCALON, CA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

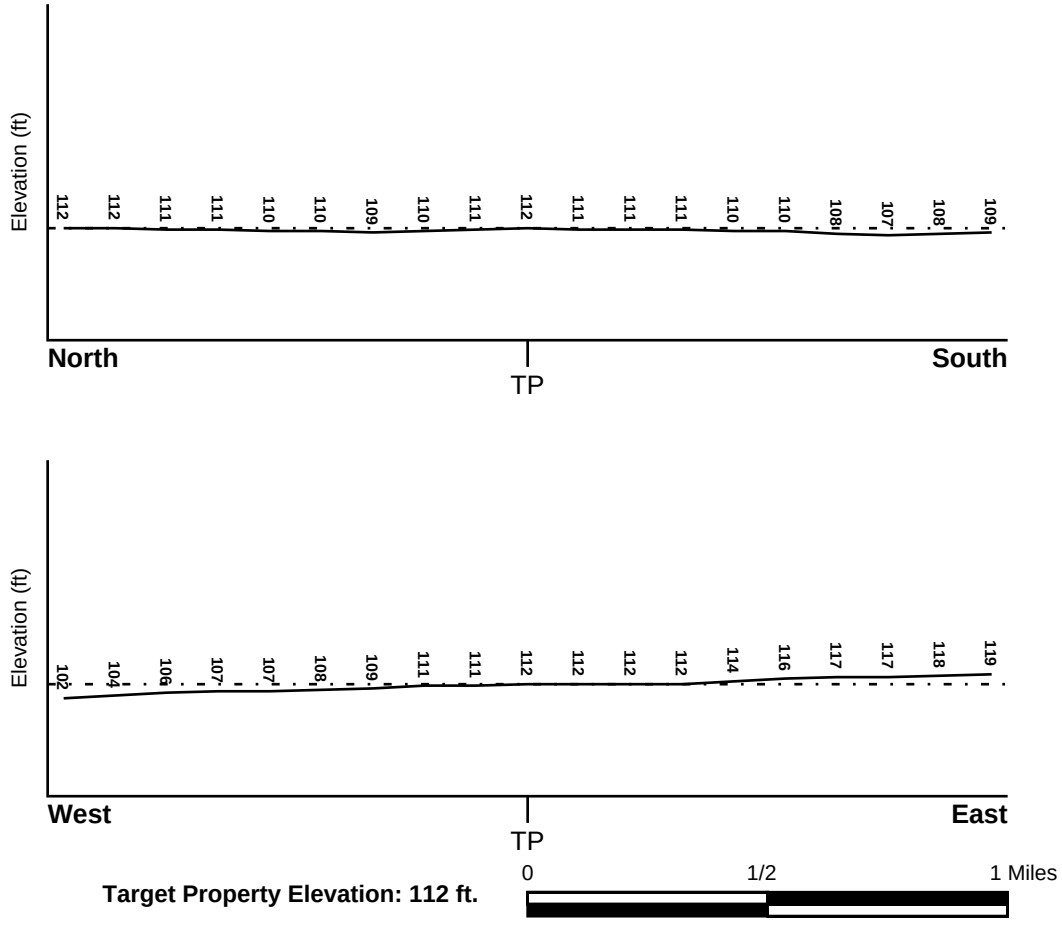
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06077C0670F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06077C0690F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
AVENA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

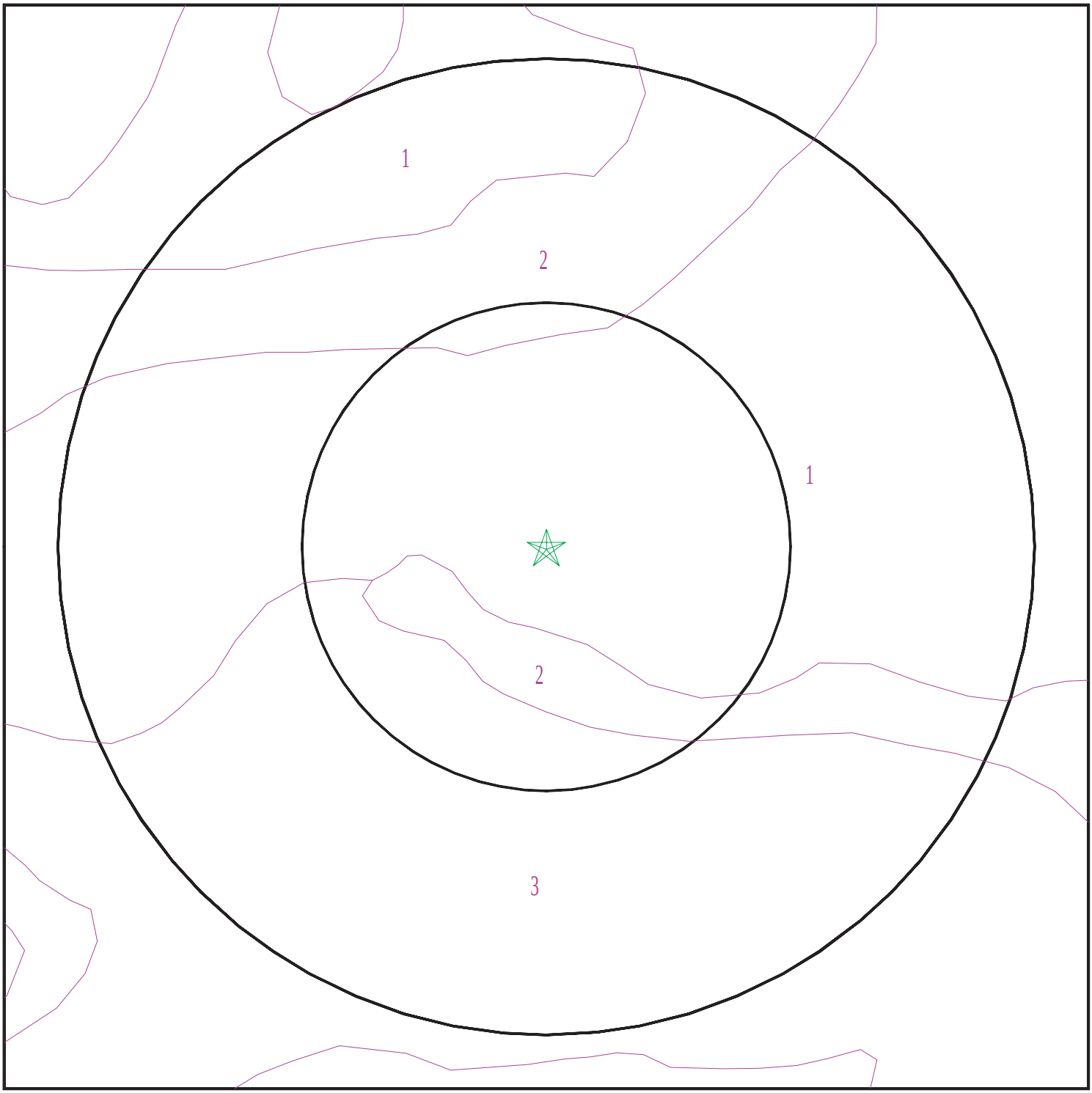
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7361112.5s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Murphy Ranch	CLIENT:	Baez Geotechnical Group
ADDRESS:	Brennan Road & Yosemite Avenue Escalon CA 95320	CONTACT:	Stefanie Parman
LAT/LONG:	37.79769 / 121.011577	INQUIRY #:	7361112.5s
		DATE:	June 13, 2023 12:00 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: VERITAS

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
2	14 inches	53 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
3	53 inches	70 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: DELHI

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	16 inches	25 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
3	25 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

Soil Map ID: 3

Soil Component Name: HONCUT

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	20 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.1
2	20 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	USGS40000185718	1/4 - 1/2 Mile NW
D10	USGS40000185674	1/2 - 1 Mile West
15	USGS40000185605	1/2 - 1 Mile South
25	USGS40000185687	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G27	USGS40000185633	1/2 - 1 Mile ESE
29	USGS40000185753	1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

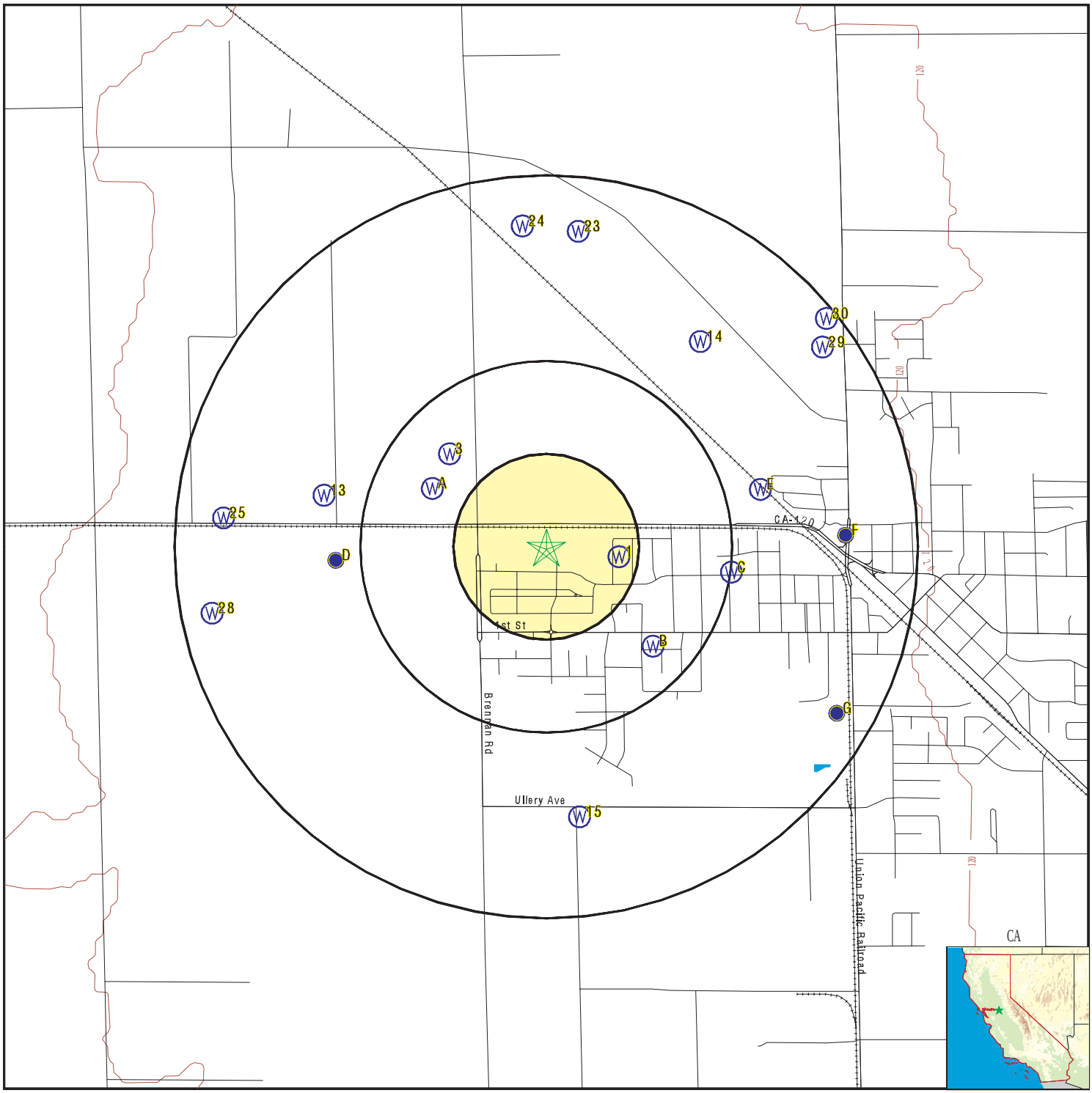
MAP ID	WELL ID	LOCATION FROM TP
F22	CA3901199	1/2 - 1 Mile East

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADWR9000037606	1/8 - 1/4 Mile East
A2	CADDW0000020572	1/4 - 1/2 Mile WNW
A4	1216	1/4 - 1/2 Mile WNW
B5	2665	1/4 - 1/2 Mile SE
B6	CADDW0000021660	1/4 - 1/2 Mile SE
C7	CADDW0000021298	1/2 - 1 Mile East
C8	2664	1/2 - 1 Mile East
D9	CADPR0000004758	1/2 - 1 Mile West
E11	23145	1/2 - 1 Mile ENE
E12	2661	1/2 - 1 Mile ENE
13	CAEDF0000028594	1/2 - 1 Mile WNW
14	CADWR0000035065	1/2 - 1 Mile NE
F16	CAEDF0000073636	1/2 - 1 Mile East
F17	CAEDF0000121034	1/2 - 1 Mile East
F18	CAEDF0000052884	1/2 - 1 Mile East
F19	CAEDF0000112147	1/2 - 1 Mile East
F20	CAEDF0000086723	1/2 - 1 Mile East
F21	CAEDF0000011361	1/2 - 1 Mile East
23	CADDW0000007072	1/2 - 1 Mile North
24	3764	1/2 - 1 Mile North
G26	CADDW0000011902	1/2 - 1 Mile ESE
28	CADWR0000008339	1/2 - 1 Mile WSW
30	CADDW0000018510	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 7361112.5s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Murphy Ranch	CLIENT:	Baez Geotechnical Group
ADDRESS:	Brennan Road & Yosemite Avenue Escalon CA 95320	CONTACT:	Stefanie Parman
		INQUIRY #:	7361112.5s
LAT/LONG:	37.79769 / 121.011577	DATE:	June 13, 2023 12:00 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
East
1/8 - 1/4 Mile
Higher

CA WELLS **CADWR9000037606**

State Well #:	02S09E05C001M	Station ID:	3731
Well Name:	Not Reported	Basin Name:	Eastern San Joaquin
Well Use:	Irrigation	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

A2
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000020572**

Well ID:	3910003-006	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL NO. 06 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3910003-006&store_num=		
GeoTracker Data:	Not Reported		

3
NW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000185718**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S009E31R001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19761122	Well Depth:	310
Well Depth Units:	ft	Well Hole Depth:	325
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1976-11-22
Feet below surface:	63.00	Feet to sea level:	Not Reported
Note:	Not Reported		

A4
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **1216**

Seq:	1216	Prim sta c:	01S/09E-32J02 M
Frds no:	3910003006	County:	39
District:	10	User id:	PTA
System no:	3910003	Water type:	G
Source nam:	WELL 06	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	374800.0	Longitude:	1210100.0

Precision:	5	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3910003	System nam:	Escalon, City Of
Hqname:	ESCALON CITY OF	Address:	PO BOX 248
City:	ESCALON	State:	CA
Zip:	95320	Zip ext:	Not Reported
Pop serv:	5091	Connection:	1634
Area serve:	ESCALON		

B5
SE
1/4 - 1/2 Mile
Higher

CA WELLS **2665**

Seq:	2665	Prim sta c:	02S/09E-05F01 M
Frds no:	3910003008	County:	39
District:	10	User id:	PTA
System no:	3910003	Water type:	G
Source nam:	WELL 08 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	374738.0	Longitude:	1210021.0
Precision:	3	Status:	IU
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3910003	System nam:	Escalon, City Of
Hqname:	ESCALON CITY OF	Address:	PO BOX 248
City:	ESCALON	State:	CA
Zip:	95320	Zip ext:	Not Reported
Pop serv:	5091	Connection:	1634
Area serve:	ESCALON		

B6
SE
1/4 - 1/2 Mile
Higher

CA WELLS **CADDW0000021660**

Well ID:	3910003-008	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL NO. 08 - DESTROYED	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3910003-008&store_num=		
GeoTracker Data:	Not Reported		

C7
East
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000021298**

Well ID:	3910003-007	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL NO. 07 - DESTROYED	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3910003-007&store_num=		

GeoTracker Data: Not Reported

C8
East
1/2 - 1 Mile
Higher

CA WELLS **2664**

Seq:	2664	Prim sta c:	02S/09E-05B01 M
Frds no:	3910003007	County:	39
District:	10	User id:	PTA
System no:	3910003	Water type:	G
Source nam:	WELL 07	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	374748.0	Longitude:	1210005.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3910003	System nam:	Escalon, City Of
Hqname:	ESCALON CITY OF	Address:	PO BOX 248
City:	ESCALON	State:	CA
Zip:	95320	Zip ext:	Not Reported
Pop serv:	5091	Connection:	1634
Area serve:	ESCALON		

D9
West
1/2 - 1 Mile
Lower

CA WELLS **CADPR0000004758**

Well ID:	87203	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	87203	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=87203&store_num=		
GeoTracker Data:	Not Reported		

D10
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000185674**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S009E06B001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19770408	Well Depth:	200
Well Depth Units:	ft	Well Hole Depth:	200
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1977-04-08

Feet below surface:	56.00	Feet to sea level:	Not Reported
Note:	Not Reported		

E11
ENE
1/2 - 1 Mile
Higher

CA WELLS 23145

Seq:	23145	Prim sta c:	J39/003-01TRT
Frds no:	3910003012	County:	39
District:	10	User id:	PTA
System no:	3910003	Water type:	G
Source nam:	WELL 01 - TREATED	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	374800.0	Longitude:	1210000.0
Precision:	3	Status:	AT
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3910003	System nam:	Escalon, City Of
Hqname:	ESCALON CITY OF	Address:	PO BOX 248
City:	ESCALON	State:	CA
Zip:	95320	Zip ext:	Not Reported
Pop serv:	5091	Connection:	1634
Area serve:	ESCALON		

Sample date:	10-SEP-14	Finding:	29.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	13-AUG-14	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	09-JUL-14	Finding:	30.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	25-JUN-14	Finding:	30.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	18-JUN-14	Finding:	30.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	11-JUN-14	Finding:	31.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	04-JUN-14	Finding:	32.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	17-OCT-12	Finding:	28.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	17-OCT-12	Finding:	4.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L

Dlr:	1.e-002		
Sample date:	10-OCT-12	Finding:	29.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	03-OCT-12	Finding:	29.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	26-SEP-12	Finding:	30.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-SEP-12	Finding:	27.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-SEP-12	Finding:	5.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	12-SEP-12	Finding:	27.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	05-SEP-12	Finding:	27.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	29-AUG-12	Finding:	28.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-AUG-12	Finding:	27.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-AUG-12	Finding:	26.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-AUG-12	Finding:	3.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	08-AUG-12	Finding:	27.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	01-AUG-12	Finding:	30.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	25-JUL-12	Finding:	30.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-JUL-12	Finding:	33.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	18-JUL-12	Finding:	4.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	11-JUL-12	Finding:	29.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	05-JUL-12	Finding:	29.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	27-JUN-12	Finding:	27.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	20-JUN-12	Finding:	30.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	20-JUN-12	Finding:	3.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	13-JUN-12	Finding:	30.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-JUN-12	Finding:	29.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	30-MAY-12	Finding:	28.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	29-MAY-12	Finding:	28.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	25-MAY-12	Finding:	30.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	24-MAY-12	Finding:	29.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-MAY-12	Finding:	31.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-MAY-12	Finding:	34.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-MAY-12	Finding:	33.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E12
ENE
1/2 - 1 Mile
Higher

CA WELLS **2661**

Seq:	2661	Prim sta c:	02S/09E-04E01 M
Frds no:	3910003001	County:	39
District:	10	User id:	PTA
System no:	3910003	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	374800.0	Longitude:	1210000.0
Precision:	4	Status:	AR
Comment 1:	PURCHASED FROM ESCALON WATER AND LIGHT.		
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	3910003	System nam:	Escalon, City Of
Hqname:	ESCALON CITY OF	Address:	PO BOX 248
City:	ESCALON	State:	CA
Zip:	95320	Zip ext:	Not Reported
Pop serv:	5091	Connection:	1634
Area serve:	ESCALON		
Sample date:	03-JUN-15	Finding:	47.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	15-MAY-15	Finding:	41.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-APR-15	Finding:	41.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	10-SEP-14	Finding:	29.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	10-SEP-14	Finding:	6.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	13-AUG-14	Finding:	3.41
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	11-JUN-14	Finding:	31.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	11-JUN-14	Finding:	8.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	07-MAY-14	Finding:	39.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	13-NOV-13	Finding:	42.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	11-JUN-13	Finding:	34.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	17-APR-13	Finding:	47.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	31-JAN-13	Finding:	0.8
Chemical:	SODIUM ABSORPTION RATIO	Report units:	Not Reported
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	9600.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	31-JAN-13	Finding:	11.7
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	42.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	31-JAN-13	Finding:	330.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	6.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	31-JAN-13	Finding:	3.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		
Sample date:	31-JAN-13	Finding:	159.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	31-JAN-13	Finding:	29.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	31-JAN-13	Finding:	8.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	4.
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	24.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	21.
Chemical:	MAGNESIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	31-JAN-13	Finding:	41.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	189.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	210.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	170.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	481.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	7.5
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-OCT-12	Finding:	28.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	17-OCT-12	Finding:	5.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	18-SEP-12	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-SEP-12	Finding:	6.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	18-JUL-12	Finding:	6.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	18-JUL-12	Finding:	33.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	20-JUN-12	Finding:	5.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	20-JUN-12	Finding:	30.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	20-JUN-12	Finding:	1.12
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	20-JUN-12	Finding:	1.4
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	11-MAY-12	Finding:	6.e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	11-MAY-12	Finding:	34.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-APR-12	Finding:	45.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-APR-12	Finding:	44.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-APR-12	Finding:	43.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-APR-12	Finding:	42.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	15-MAR-12	Finding:	44.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	11-JAN-12	Finding:	46.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

13
WNW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000028594**

Well ID:	AGC100012333-SJCDW00001	Well Type:	MONITORING
Source:	Agricultural Lands	Other Name:	SJCDW00001
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=AGLAND&samp_date=&global_id=AGC100012333&assigned_name=SJCDW00001&store_num=		
GeoTracker Data:	Not Reported		

14
NE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000035065**

Well ID:	01S09E32J001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S09E32J001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S09E32J001M&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

15
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000185605**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S009E05P001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19730214	Well Depth:	111
Well Depth Units:	ft	Well Hole Depth:	126
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1973-02-14
Feet below surface:	35.00	Feet to sea level:	Not Reported
Note:	Not Reported		

F16
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000073636**

Well ID:	T0607700842-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607700842&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607700842&assigned_name=MW-4		

F17
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000121034**

Well ID:	T0607700842-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607700842&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607700842&assigned_name=MW-2		

F18
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000052884**

Well ID:	T0607700842-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607700842&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607700842&assigned_name=MW-1

F19
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000112147**

Well ID: T0607700842-MW-101 Well Type: MONITORING
Source: EDF Other Name: MW-101
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607700842&assigned_name=MW-101&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607700842&assigned_name=MW-101

F20
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000086723**

Well ID: T0607700842-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607700842&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607700842&assigned_name=MW-5

F21
East
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000011361**

Well ID: T0607700842-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607700842&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607700842&assigned_name=MW-3

F22
East
1/2 - 1 Mile
Higher

FRDS PWS **CA3901199**

PWS ID: CA3901199 PWS type: System Owner/Responsible Party
PWS name: OLD WINERY COMPLEX PWS address: Not Reported
PWS city: ESCALON PWS state: CA
PWS zip: 95320 PWS ID: CA3901199

Activity status:	Active	Date system activated:	7706
Date system deactivated:	Not Reported	Retail population:	00000250
System name:	OLD WINERY COMPLEX	System address:	OLD WINERY COMPLEX
System address:	1203 001ST ST	System city:	ESCALON
System state:	CA	System zip:	95320
Population served:	101 - 500 Persons	Treatment:	Untreated
Latitude:	374751	Longitude:	1205944

23
North
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000007072**

Well ID:	5000357-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - ABANDONED	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=5000357-001&store_num=		
GeoTracker Data:	Not Reported		

24
North
1/2 - 1 Mile
Higher

CA WELLS **3764**

Seq:	3764	Prim sta c:	03S/09E-30H01 M
Frds no:	5000357001	County:	50
District:	80	User id:	50C
System no:	5000357	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	374837.0	Longitude:	1210042.0
Precision:	2	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	5000357	System nam:	Knudsen
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

25
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000185687**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S009E31P001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		

Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19750502	Well Depth:	116
Well Depth Units:	ft	Well Hole Depth:	152
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1975-05-02
Feet below surface:	48.00	Feet to sea level:	Not Reported
Note:	Not Reported		

G26
ESE **CA WELLS** **CADDW0000011902**
1/2 - 1 Mile
Higher

Well ID:	3900797-008	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL #3	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3900797-008&store_num=		
GeoTracker Data:	Not Reported		

G27
ESE **FED USGS** **USGS40000185633**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S009E05H001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19610613	Well Depth:	352
Well Depth Units:	ft	Well Hole Depth:	480
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1961-06-13
Feet below surface:	32.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1961-06-13	Feet below surface:	32.00
Feet to sea level:	Not Reported	Note:	Not Reported

28
WSW **CA WELLS** **CADWR0000008339**
1/2 - 1 Mile
Lower

Well ID:	02S09E06D001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S09E06D001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S09E06D001M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

29
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000185753**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S009E32J003M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19690227	Well Depth:	152
Well Depth Units:	ft	Well Hole Depth:	244
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1969-02-27
Feet below surface:	48.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1969-02-27	Feet below surface:	48.00
Feet to sea level:	Not Reported	Note:	Not Reported

30
NE
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000018510**

Well ID:	3901231-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3901231-001&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95320	5	1

Federal EPA Radon Zone for SAN JOAQUIN County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN JOAQUIN COUNTY, CA

Number of sites tested: 20

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.530 pCi/L	90%	10%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.050 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C

EDR Aerial Photograph Decade Package

Murphy Ranch

Brennan Road & Yosemite Avenue

Escalon, CA 95320

Inquiry Number: 7361112.7

June 13, 2023

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/13/23

Site Name:

Murphy Ranch
Brennan Road & Yosemite Ave
Escalon, CA 95320
EDR Inquiry # 7361112.7

Client Name:

Baez Geotechnical Group
P.O. Box 296
Oakdale, CA 95361
Contact: Stefanie Parman

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1993	1"=500'	Acquisition Date: May 09, 1993	USGS/DOQQ
1984	1"=500'	Flight Date: June 08, 1984	USDA
1982	1"=500'	Flight Date: June 14, 1982	USDA
1975	1"=500'	Flight Date: November 11, 1975	Cartwright
1968	1"=500'	Flight Date: May 01, 1968	USGS
1963	1"=500'	Flight Date: June 08, 1963	USDA
1957	1"=500'	Flight Date: July 04, 1957	USDA
1950	1"=500'	Flight Date: March 03, 1950	USDA
1937	1"=500'	Flight Date: August 06, 1937	USDA

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INQUIRY #: 7361112.7
YEAR: 2020
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 1993
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 1984
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 1982
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 1975
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 1968
= 500'
N
EDR



INQUIRY #: 7361112.7

YEAR: 1963

= 500'

N

EDR


INQUIRY #: 7361112.7
YEAR: 1957
= 500'
N
EDR


INQUIRY #: 7361112.7
YEAR: 1950
= 500'
N
EDR



INQUIRY #: 7361112.7

YEAR: 1937

= 500'

N

EDR

APPENDIX D

EDR Historical Topographic Map Report

Murphy Ranch

Brennan Road & Yosemite Avenue

Escalon, CA 95320

Inquiry Number: 7361112.8

June 13, 2023

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/13/23

Site Name:	Client Name:
Murphy Ranch	Baez Geotechnical Group
Brennan Road & Yosemite Ave	P.O. Box 296
Escalon, CA 95320	Oakdale, CA 95361
EDR Inquiry # 7361112.8	Contact: Stefanie Parman

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Baez Geotechnical Group were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# G357.01

Project: Murphy Ranch

Coordinates:

Latitude:	37.79769 37° 47' 52" North
Longitude:	-121.011577 -121° 0' 42" West
UTM Zone:	Zone 10 North
UTM X Meters:	675065.56
UTM Y Meters:	4185230.90
Elevation:	112.00' above sea level

Maps Provided:

2018	1914, 1915
2015	
2012	
1994	
1976	
1968	
1952, 1953	
1942	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Avena
2018
7.5-minute, 24000



Escalon
2018
7.5-minute, 24000

2015 Source Sheets



Avena
2015
7.5-minute, 24000



Escalon
2015
7.5-minute, 24000

2012 Source Sheets



Avena
2012
7.5-minute, 24000



Escalon
2012
7.5-minute, 24000

1994 Source Sheets



Avena
1994
7.5-minute, 24000
Aerial Photo Revised 1968

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1976 Source Sheets



Escalon
1976
7.5-minute, 24000
Aerial Photo Revised 1967

1968 Source Sheets



Avena
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Escalon
1968
7.5-minute, 24000
Aerial Photo Revised 1967

1952, 1953 Source Sheets



Avena
1952
7.5-minute, 24000
Aerial Photo Revised 1949



Escalon
1953
7.5-minute, 24000
Aerial Photo Revised 1950

1942 Source Sheets



Farmington
1942
15-minute, 62500
Aerial Photo Revised 1939

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1914, 1915 Source Sheets



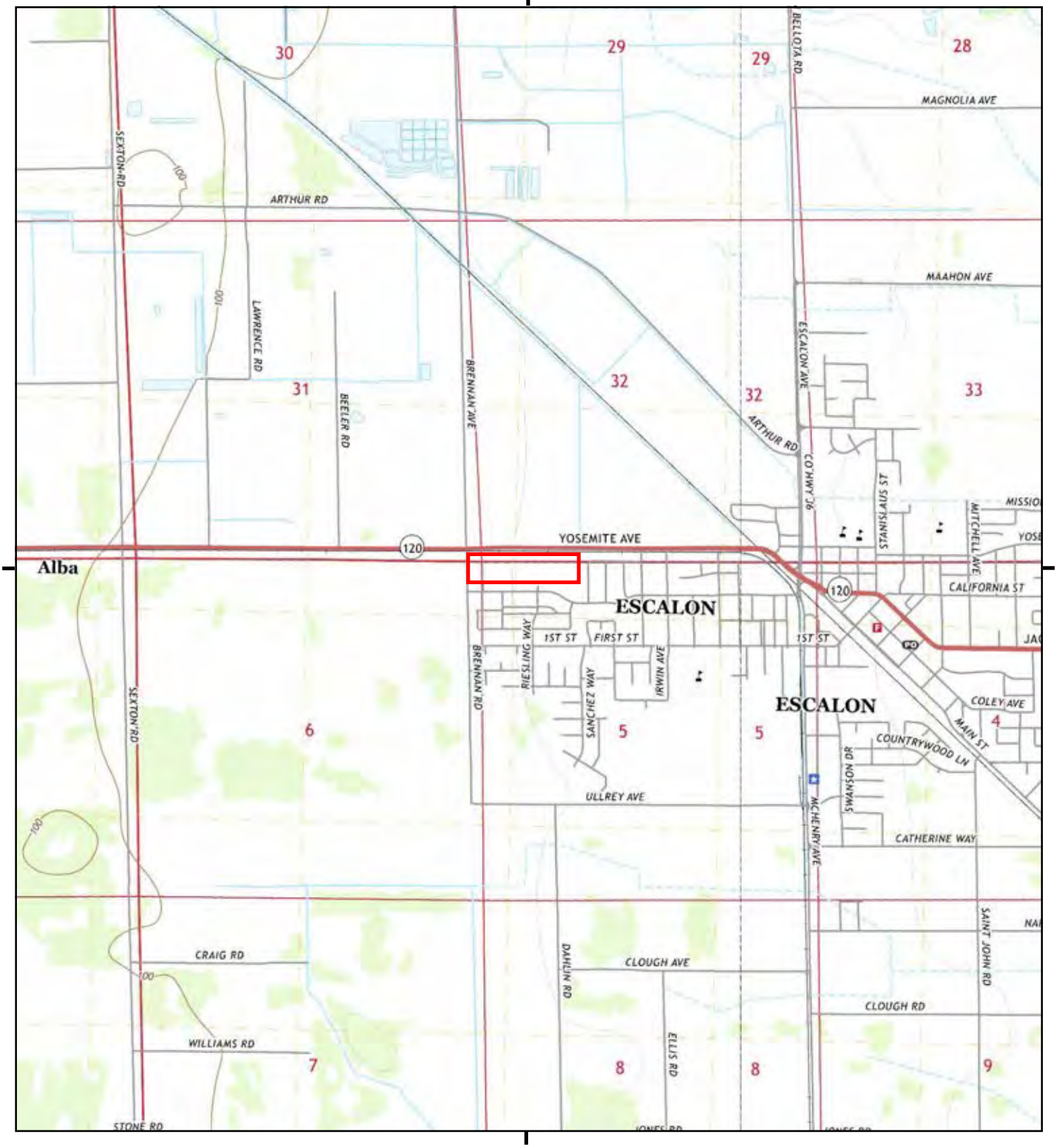
Avena
1914
7.5-minute, 31680



Thalheim
1915
7.5-minute, 31680

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

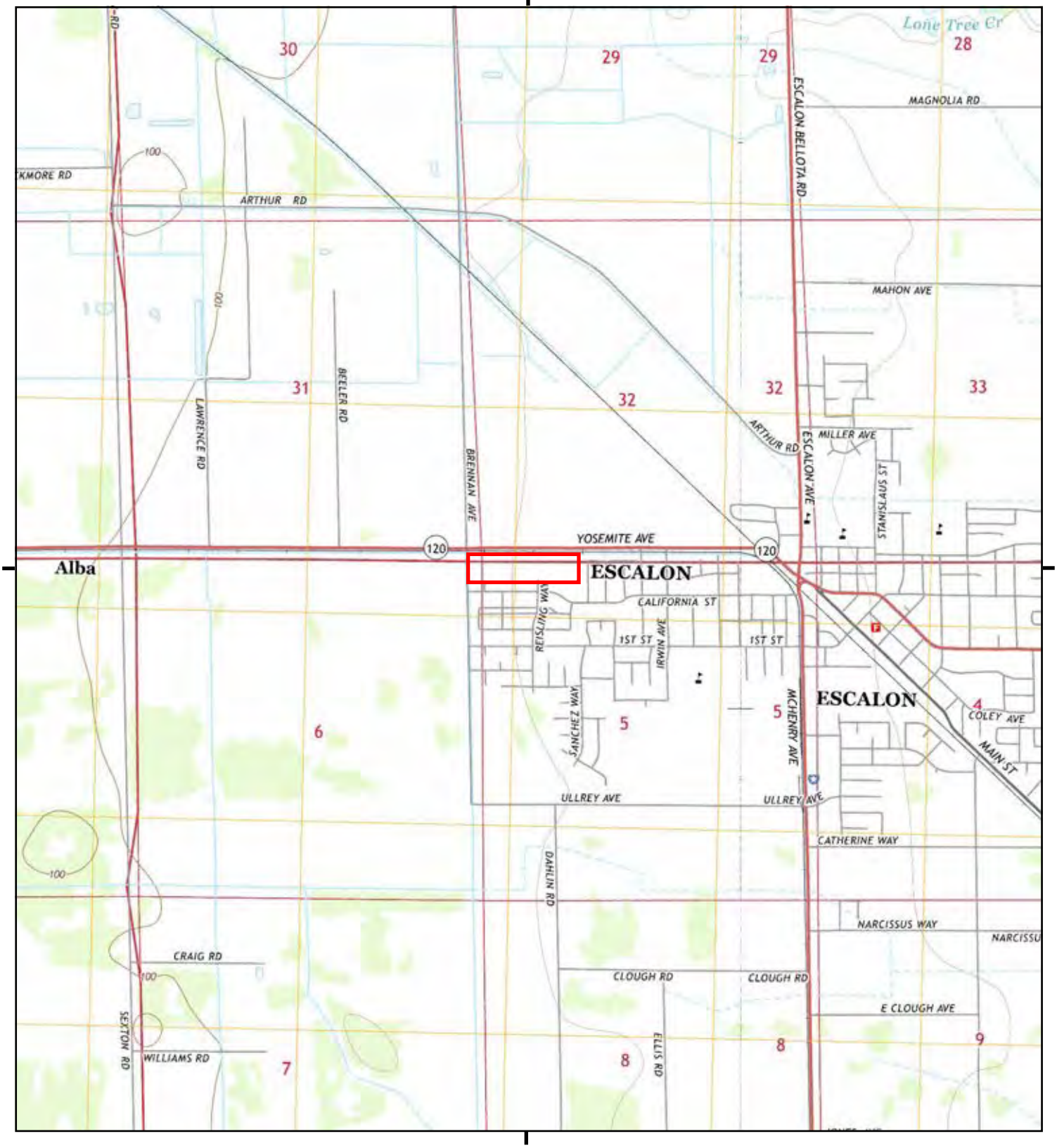
TP, Avena, 2018, 7.5-minute
E, Escalon, 2018, 7.5-minute

SITE NAME: Murphy Ranch
ADDRESS: Brennan Road & Yosemite Avenue
Escalon, CA 95320
CLIENT: Baez Geotechnical Group

N

Historical Topo Map

2015



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NW N NE
W E
SW S SE

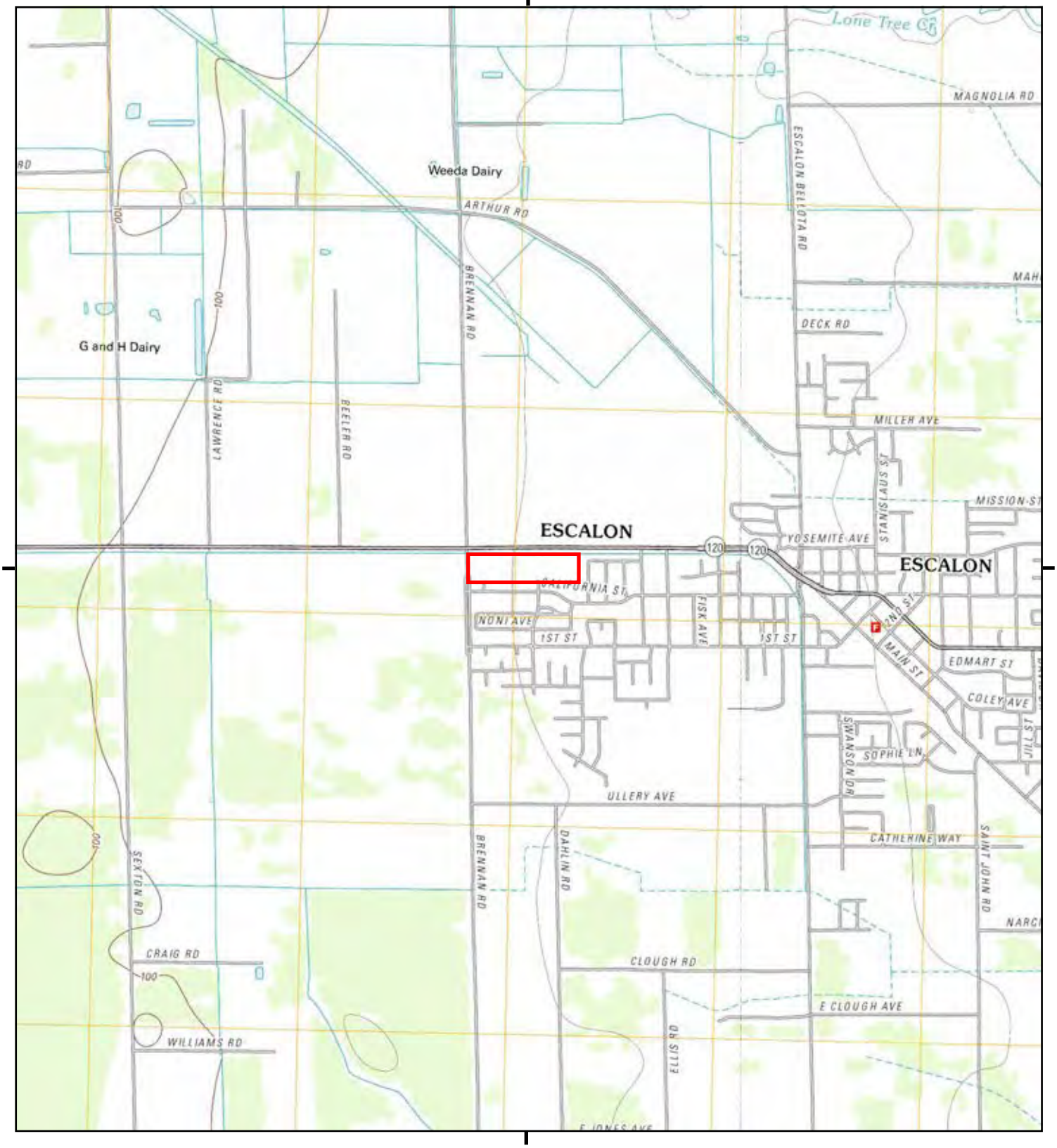
TP, Avena, 2015, 7.5-minute
E, Escalon, 2015, 7.5-minute

SITE NAME: Murphy Ranch
ADDRESS: Brennan Road & Yosemite Avenue
Escalon, CA 95320
CLIENT: Baez Geotechnical Group

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

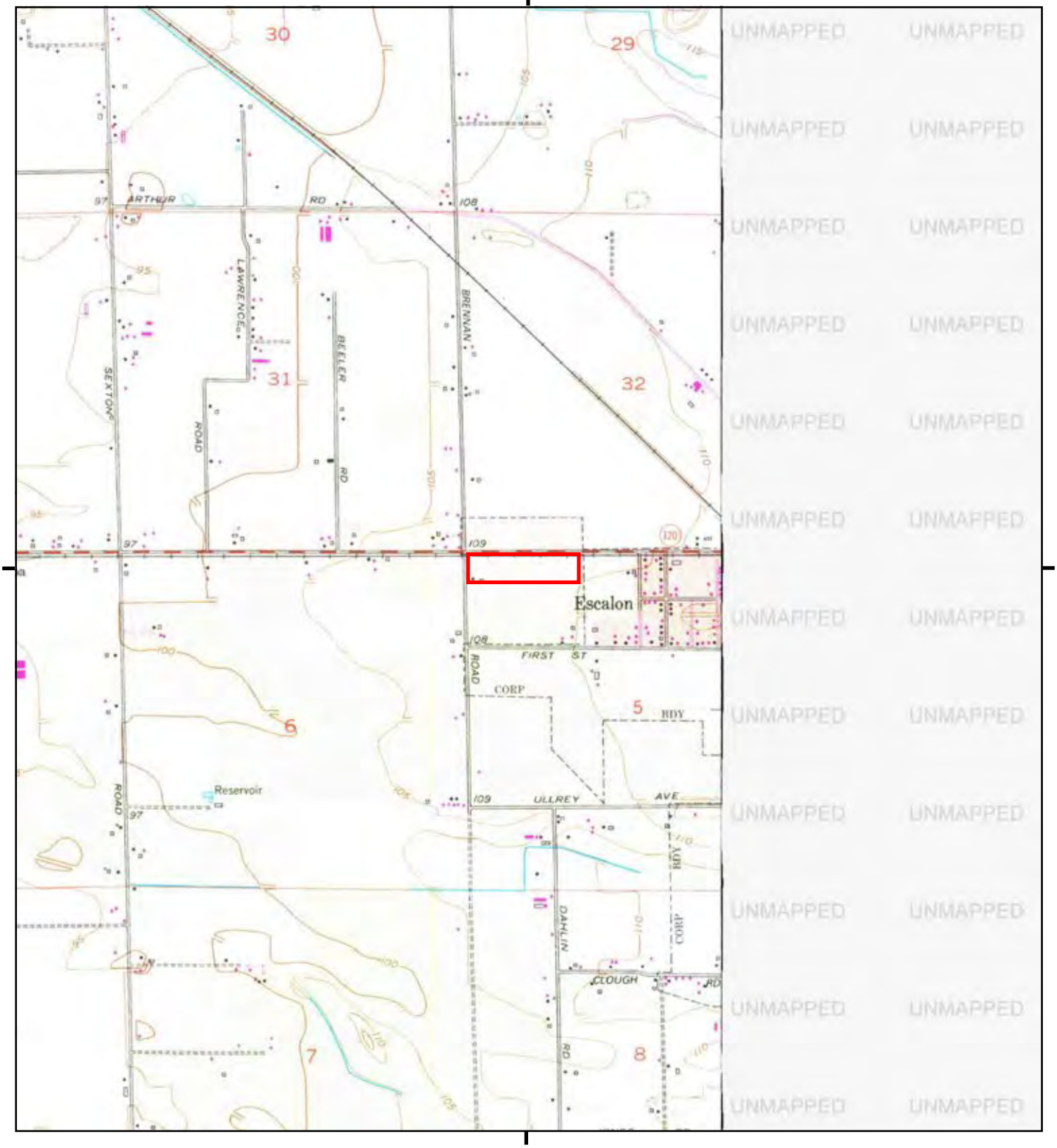
TP, Avena, 2012, 7.5-minute
E, Escalon, 2012, 7.5-minute

SITE NAME: Murphy Ranch
ADDRESS: Brennan Road & Yosemite Avenue
Escalon, CA 95320
CLIENT: Baez Geotechnical Group

N

Historical Topo Map

1994



This report includes information from the following map sheet(s).

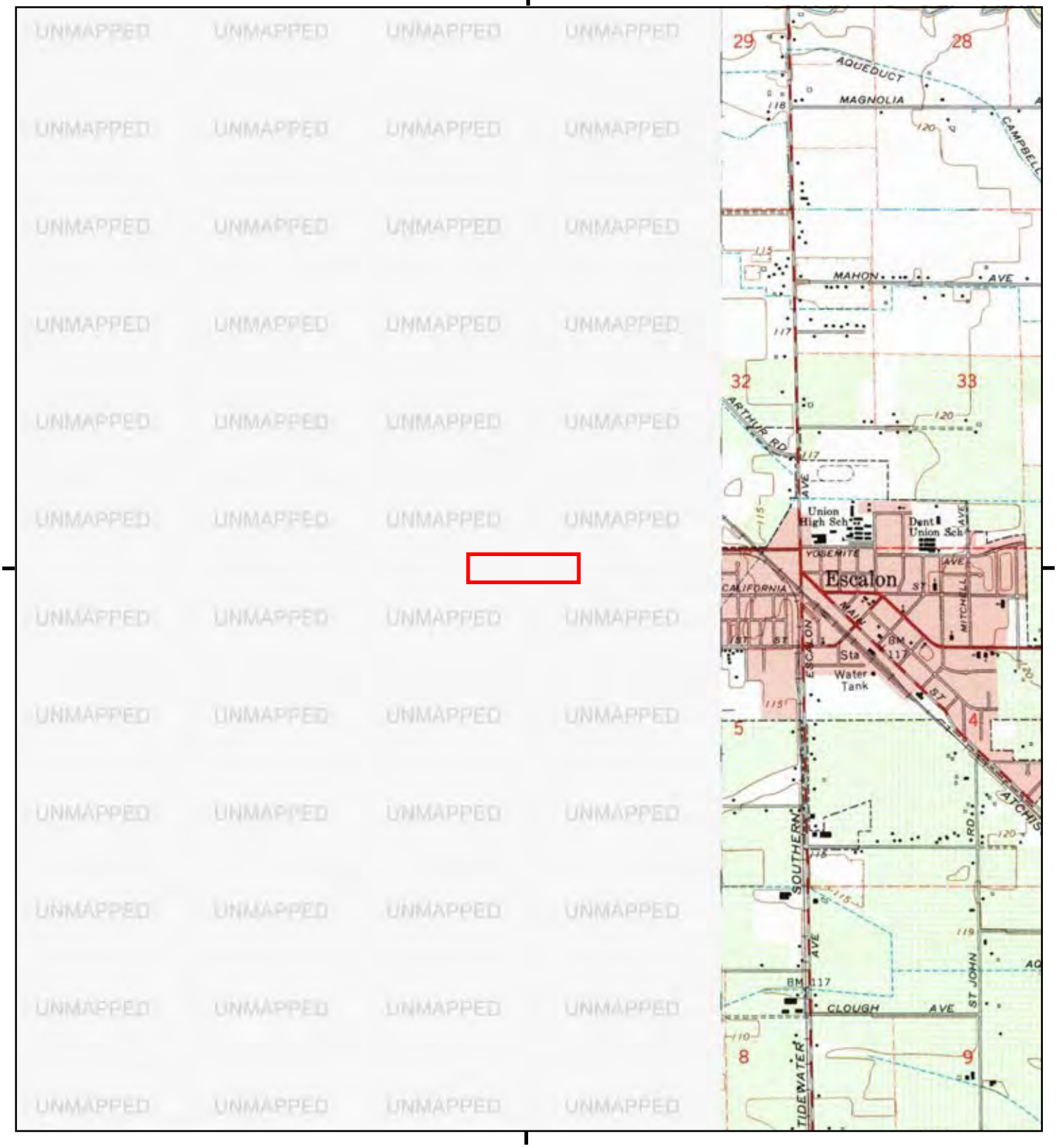
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Avena, 1994, 7.5-minute

SITE NAME: Murphy Ranch
ADDRESS: Brennan Road & Yosemite Avenue
Escalon, CA 95320
CLIENT: Baez Geotechnical Group

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

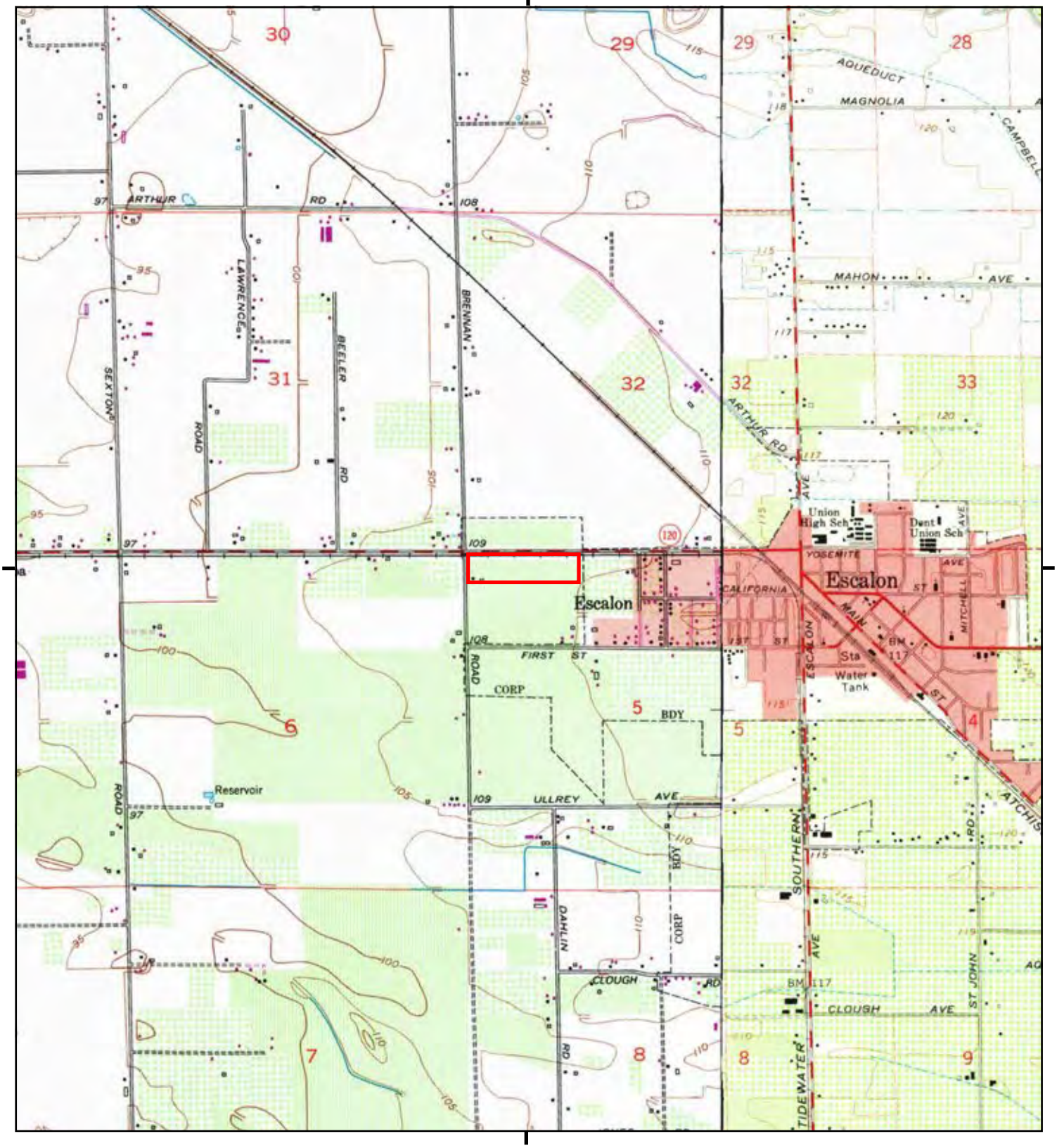
E, Escalon, 1976, 7.5-minute

SITE NAME: Murphy Ranch
ADDRESS: Brennan Road & Yosemite Avenue
Escalon, CA 95320
CLIENT: Baez Geotechnical Group

N

Historical Topo Map

1968



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

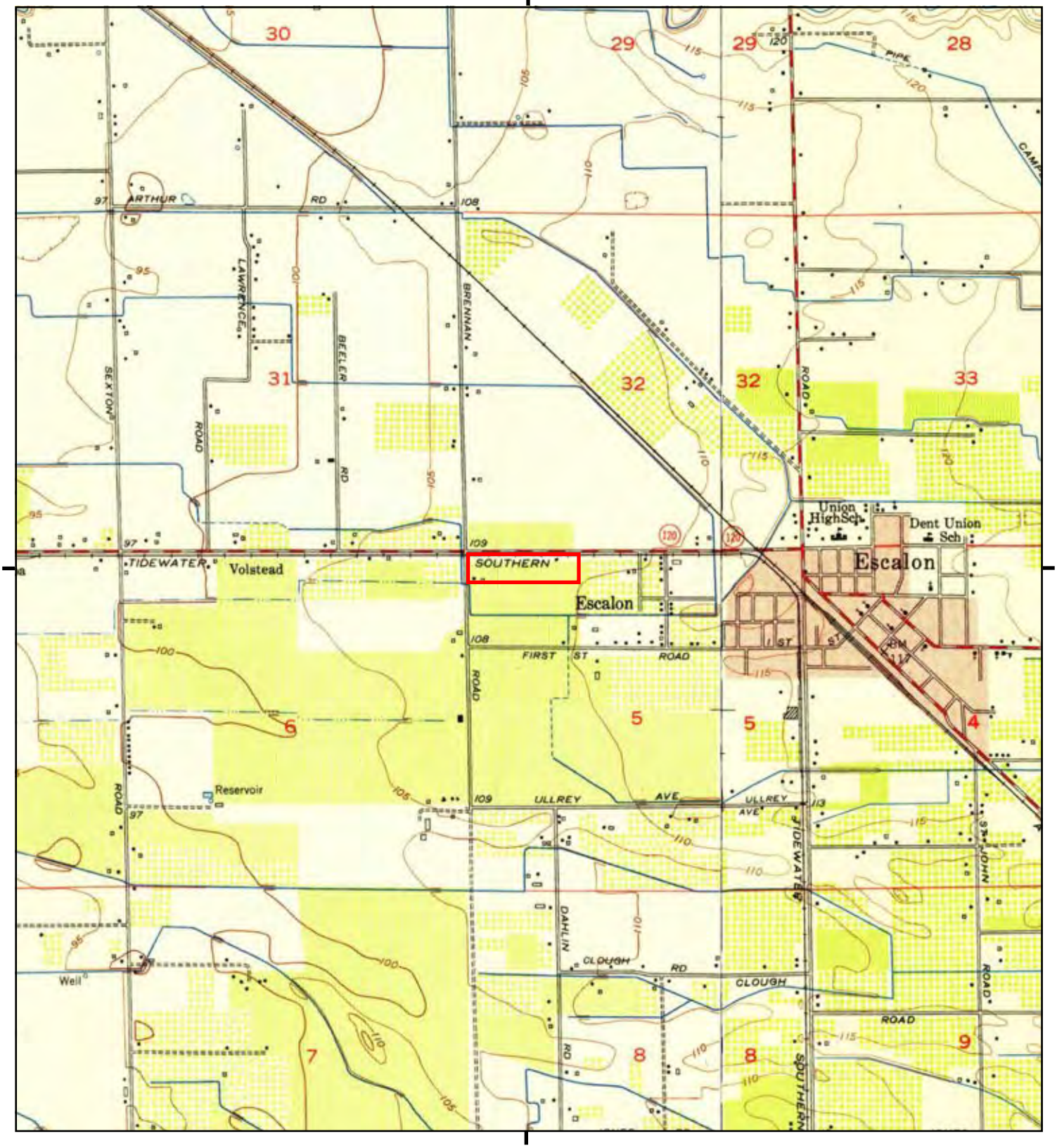
TP, Avena, 1968, 7.5-minute
E, Escalon, 1968, 7.5-minute

SITE NAME: Murphy Ranch
ADDRESS: Brennan Road & Yosemite Avenue
Escalon, CA 95320
CLIENT: Baez Geotechnical Group

N

Historical Topo Map

1952, 1953



This report includes information from the following map sheet(s).

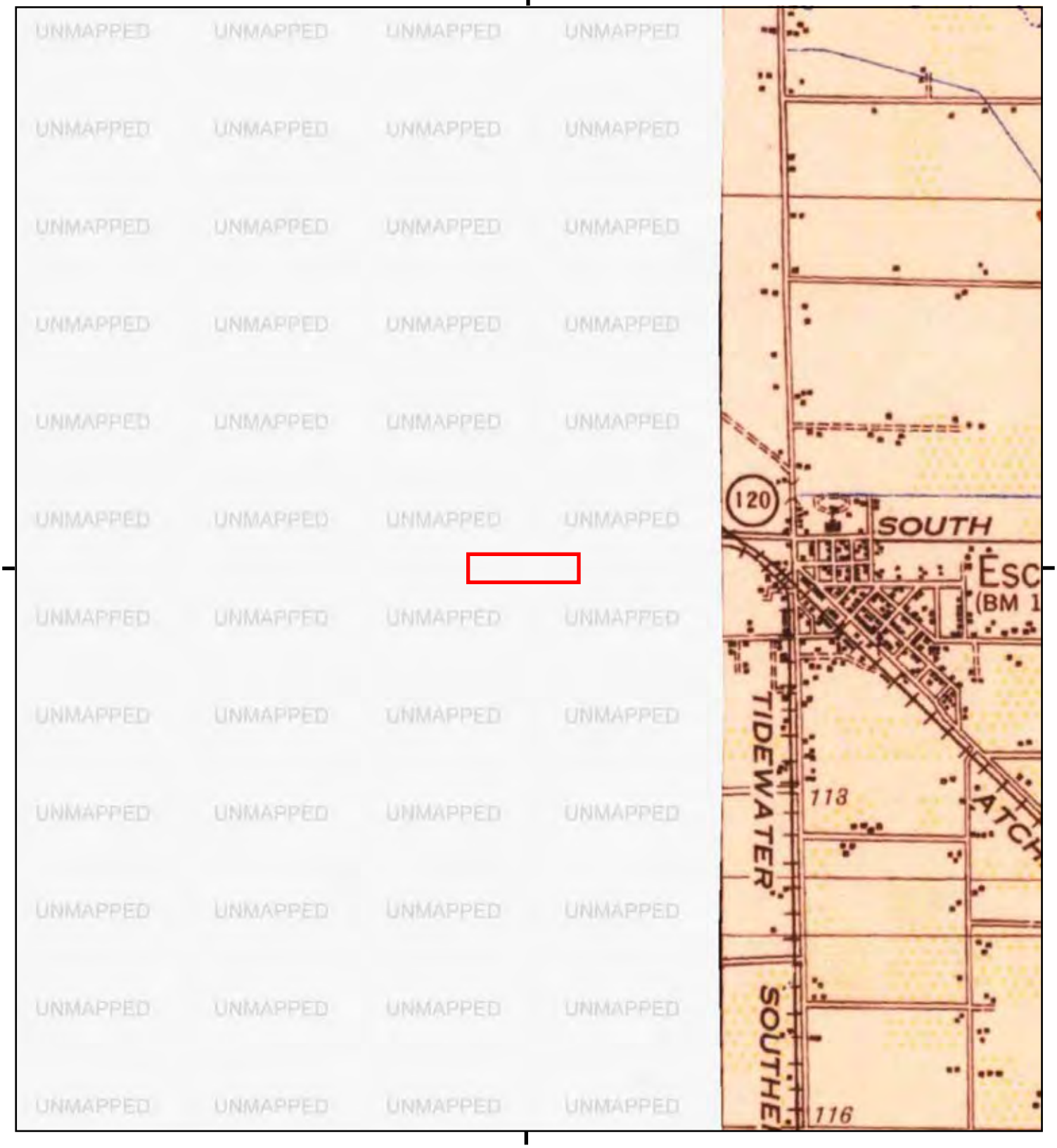
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Avena, 1952, 7.5-minute
E, Escalon, 1953, 7.5-minute

SITE NAME: Murphy Ranch
ADDRESS: Brennan Road & Yosemite Avenue
Escalon, CA 95320
CLIENT: Baez Geotechnical Group

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

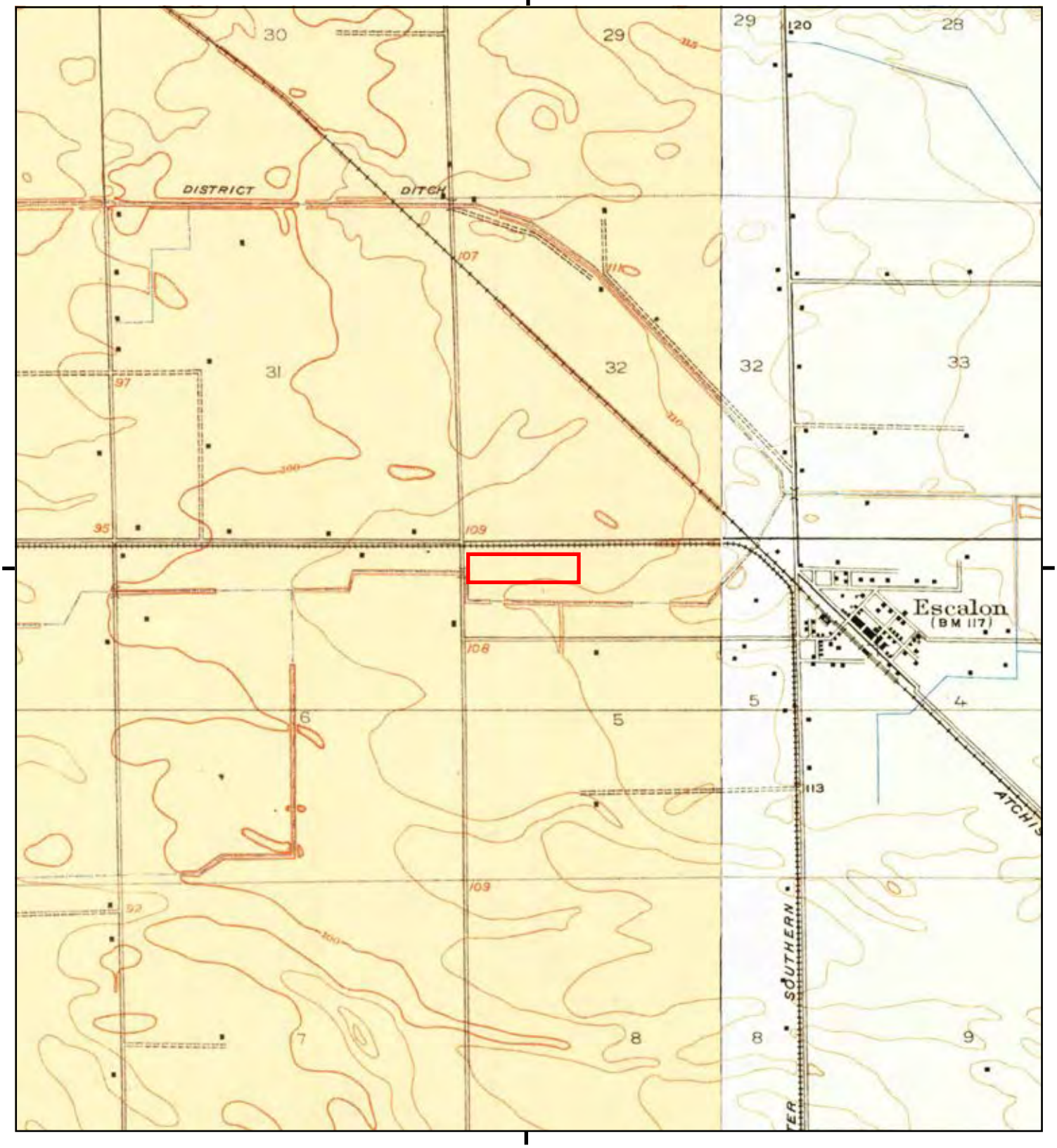
NE, Farmington, 1942, 15-minute

SITE NAME: Murphy Ranch
ADDRESS: Brennan Road & Yosemite Avenue
Escalon, CA 95320
CLIENT: Baez Geotechnical Group

N

Historical Topo Map

1914, 1915



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Avena, 1914, 7.5-minute
E, Thalheim, 1915, 7.5-minute

SITE NAME: Murphy Ranch
ADDRESS: Brennan Road & Yosemite Avenue
Escalon, CA 95320
CLIENT: Baez Geotechnical Group

N

APPENDIX E

EDR Certified Sanborn Map Report

Murphy Ranch

Brennan Road & Yosemite Avenue

Escalon, CA 95320

Inquiry Number: 7361112.6

June 13, 2023

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/13/23

Site Name:

Murphy Ranch
Brennan Road & Yosemite Ave
Escalon, CA 95320
EDR Inquiry # 7361112.6

Client Name:

Baez Geotechnical Group
P.O. Box 296
Oakdale, CA 95361
Contact: Stefanie Parman

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Baez Geotechnical Group were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # C432-4A88-BFC4

PO # G357.01

Project Murphy Ranch

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: C432-4A88-BFC4

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX F

EDR Environmental Lien & AUL Search 1980

Murphy Ranch
Brennan Road & Yosemite Avenue
Escalon, CA 95320

Inquiry Number: 7361112.11S
June 15, 2023

EDR Environmental Lien and AUL Search 1980

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search 1980

The EDR Environmental Lien and AUL Search 1980 report provides results from a search of available land title records for environmental cleanup liens and other activity and use limitations (AULs), such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address and/or parcel information to:

- search for parcel number and/or legal description
- search for ownership information filed between 1980 and the most current publicly available date
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.
- search for environmental encumbering instrument(s) filed between 1980 and the most current publicly available date
- provide a copy of any environmental encumbrance(s)
- provide a copy of the current deed when available

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Property Archives, LLC researched and compiled the land title information contained in this EDR Environmental Lien and AUL Search 1980 report on behalf of EDR.



Property Archives

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EDR Environmental Lien and AUL Search 1980

TARGET PROPERTY INFORMATION

ADDRESS

Murphy Ranch
Brennan Road & Yosemite Avenue
Escalon, CA 95320

PROPERTY DESCRIPTION

Parcel ID: **225-04-028**

Current Owner: Carr Escalon Property, LLC

Legal Description: 1.86 AC RURAL RES SEC 5 T2 S R 9E MT DIABLO BASE

Parcel ID: **225-04-029**

Current Owner: Carr Escaloon Property, LLC

Legal Description: 16.11 AC POTENTIAL RES SUBD SEC 5 T2 S R 9E MT DIABLO

FINDINGS SUMMARY

The following is a summary of information contained in the report. Additional details may be found in the Findings Detail section.

Parcel: 225-04-028

Environmental Lien: Found ☐ Not Found ■

Other Activity and Use Limitations (AULs): Found ☐ Not Found ■

HISTORICAL CHAIN of TITLE FROM 1980			
RECORDED	**INSTRUMENT**	**GRANTEE**	**GRANTOR**
04/07/2009	2009-052207	Carr Escalon Property, LLC	Benjamin Estates, LLC
10/29/2004	2004-245718	Benjamin Estates, LLC	Carr Revocable Trust, et al.
05/08/1981	81029996	Carr Revocable Trust, et al.	Muriel E. Carr and Rex V. Carr

Parcel: 225-04-028

Environmental Lien: Found ☐ Not Found ■

Other Activity and Use Limitations (AULs): Found ☐ Not Found ■

HISTORICAL CHAIN of TITLE FROM 1980			
RECORDED	**INSTRUMENT**	**GRANTEE**	**GRANTOR**
04/07/2009	2009-052207	Carr Escalon Property, LLC	Benjamin Estates, LLC
10/29/2004	2004-245718	Benjamin Estates, LLC	Carr Revocable Trust, et al.
05/08/1981	81029996	Carr Revocable Trust, et al.	Muriel E. Carr and Rex V. Carr

EDR Environmental Lien and AUL Search 1980

RESEARCH SOURCE(S)

The following research sources were reviewed from January 1, 1980, to June 14, 2023. Based on available information evaluated by the title search professional, the jurisdiction does not require a search of judicial records in order to identify environmental liens.

Source 1: San Joaquin County Recorder
San Joaquin County, California

Source 2: San Joaquin County Assessor
San Joaquin County, California

Source 3: California Department of Toxic Substances Contol

FINDINGS DETAIL

Parcel: 225-04-028

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ■

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ■

MISCELLANEOUS

Right to Farm Notice dated December 13, 2010, and recorded on December 29, 2010, in document number 2010-170791.
See attached document in “Miscellaneous Exhibits.”

Parcel: 225-04-029

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ■

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ■

MISCELLANEOUS

Right to Farm Notice dated December 13, 2010, and recorded on December 29, 2010, in document number 2010-170791.
See attached document in “Miscellaneous Exhibits.”

EDR Environmental Lien and AUL Search 1980

HISTORICAL CHAIN OF TITLE FROM 1980

PARCEL 225-04-028

DEED TYPE:	Grant Deed
GRANTEE:	Carr Escalon Property, LLC
GRANTOR:	Benjamin Estates, LLC
DATE EXECUTED:	March 19, 2009
DATE RECORDED:	April 7, 2009
INSTRUMENT # :	2009-052207

DEED TYPE:	Deed
GRANTEE:	Benjamin Estates, LLC
GRANTOR:	Carr Revocable Trust, et al.
DATE RECORDED:	October 29, 2004
INSTRUMENT # :	2004-245718

DEED TYPE:	Deed
GRANTEE:	Carr Revocable Trust
GRANTOR:	Muriel E. Carr and Rex V. Carr
DATE RECORDED:	May 8, 1981
INSTRUMENT # :	81029996

PARCEL 225-04-02

DEED TYPE:	Grant Deed
GRANTEE:	Carr Escalon Property, LLC
GRANTOR:	Benjamin Estates, LLC
DATE EXECUTED:	March 19, 2009
DATE RECORDED:	April 7, 2009
INSTRUMENT # :	2009-052207

DEED TYPE:	Deed
GRANTEE:	Benjamin Estates, LLC
GRANTOR:	Carr Revocable Trust, et al.
DATE RECORDED:	October 29, 2004
INSTRUMENT # :	2004-245718

DEED TYPE:	Deed
GRANTEE:	Carr Revocable Trust
GRANTOR:	Muriel E. Carr and Rex V. Carr
DATE RECORDED:	May 8, 1981
INSTRUMENT # :	81029996

EDR Environmental Lien and AUL Search 1980

CURRENT DEED EXHIBIT

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RECORDING REQUESTED BY
First American Title Insurance Company
National Commercial Services

AND WHEN RECORDED MAIL DOCUMENT AND TAX STATEMENT TO:
Carr Escalon Property, LLC
P.O. Box 299
Farmington, CA 95230

Doc #: 2009-052207
Tue Apr 07 07:26:03 PDT 2009
Page: 1 of 4 Fee: $27.00
Kenneth W Blakemore
San Joaquin County Recorders
Paid By: FIRST AMER TITLE CO

Space Above This Line for Recorder's Use Only

Survey Monument Fee
$10.00

A.P.N.: 225-040-01 File No.: NCS-376883-SJ (bs)

GRANT DEED

The Undersigned Grantor(s) Declare(s): DOCUMENTARY TRANSFER TAX $**SEE SEPARATE DECLARATION**; CITY TRANSFER TAX $;
SURVEY MONUMENT FEE $
[**X**] computed on the consideration or full value of property conveyed, OR
[ ] computed on the consideration or full value less value of liens and/or encumbrances remaining at time of sale,
[**X**] unincorporated area; [ ] City of , and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, **Benjamin Estates, LLC, a California Limited Liability Company**

hereby GRANTS to **Carr Escalon Property, LLC, a California limited liability company**

the following described property in the unincorporated area of , County of **San Joaquin**, State of **California**:

BEING A PORTION OF THE NORTHWEST QUARTER (NW ¼) OF SECTION FIVE (5), TOWNSHIP TWO (2) SOUTH, RANGE NINE (9) EAST, MOUNT DIABLO BASE AND MERIDIAN, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT THAT IS SOUTH 1° 10' EAST, 59.65 FEET FROM THE SECTION CORNER COMMON TO SECTIONS 31 AND 32, TOWNSHIP 1 SOUTH, RANGE 9 EAST, AND SECTIONS 6 AND 5, IN TOWNSHIP 2 SOUTH, RANGE 9 EAST, MOUNT DIABLO BASE AND MERIDIAN, AND SAID POINT OF COMMENCEMENT BEING ALSO THE POINT OF INTERSECTION OF THE SOUTH LINE OF THE RIGHT-OF-WAY OF TIDEWATER SOUTHERN RAILWAY COMPANY WITH THE WEST LINE OF SAID SECTION 5, AND RUN THENCE SOUTH 1° 10 EAST, 454.4 FEET; THENCE NORTH 89° 55 ½' EAST, 1767.4 FEET; THENCE NORTH 0° 02' WEST, 444.2 FEET TO A POINT 25 FEET SOUTH OF THE CENTER LINE OF THE TIDEWATER SOUTHERN RAILWAY COMPANY; THENCE NORTH 89° 45' WEST, 1776.5 FEET ALONG THE SOUTH LINE OF SAID TIDEWATER SOUTHERN RAILWAY COMPANY'S RIGHT OF WAY TO THE POINT OF BEGINNING.

Mail Tax Statements To: **SAME AS ABOVE**

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A.P.N.: 225-040-01

File No.: NCS-376883-SJ (bs)

Dated: **03/19/2009**

Benjamin Estates, LLC, a California limited liability company

By: Farmington Vineyards, Inc., a California corporation, Member/Manager

By: Chester Murphy, President

By: Esther Aghazarian, Secretary

BY: JTD DEVELOPMENT CORP., a California corporation Member/Manager

By:

Print Name: DAVID WILLSON

Its: SECRETARY

By:

Print Name: JOE KOWALSKI

Its: PRESIDENT

STATE OF California)SS
COUNTY OF San Joaquin)

On March 20, 2009, before me, Lizette M. Smith, Notary Public, personally appeared Chester Murphy, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

LIZETTE M. SMITH
COMM. #1583404
NOTARY PUBLIC • CALIFORNIA
SAN JOAQUIN COUNTY
Comm. Exp. MAY 29, 2009

Signature

My Commission Expires: May 29, 2009

This area for official notarial seal

Notary Name: Lizette M Smith

Notary Phone: (209) 939-4800

Notary Registration Number: 1583404

County of Principal Place of Business: San Joaquin

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CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

STATE OF California)SS
COUNTY OF SAN JOAQUIN)

On 3/31/09 before me, B SILVESTRE , Notary Public, personally appeared
DAVID WILLSON

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature B Silvestre

MGC1 B. SILVESTRE COMM. #1748539 NOTARY PUBLIC - CALIFORNIA SAN JOAQUIN COUNTY COMM. EXPIRES JUNE 30, 2011 MGC1

This area for official notarial seal.

OPTIONAL SECTION
CAPACITY CLAIMED BY SIGNER

Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the documents.

- ☐ INDIVIDUAL
- ☐ CORPORATE OFFICER(S) TITLE(S)
- ☐ PARTNER(S) ☐ LIMITED ☐ GENERAL
- ☐ ATTORNEY-IN-FACT
- ☐ TRUSTEE(S)
- ☐ GUARDIAN/CONSERVATOR
- ☐ OTHER

SIGNER IS REPRESENTING:

Name of Person or Entity Name of Person or Entity

OPTIONAL SECTION

Though the data requested here is not required by law, it could prevent fraudulent reattachment of this form.

THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED BELOW

TITLE OR TYPE OF DOCUMENT: GRANT Deed

NUMBER OF PAGES _____ DATE OF DOCUMENT 3/19/09

SIGNER(S) OTHER THAN NAMED ABOVE _____

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CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

STATE OF California)SS
COUNTY OF SAN JOAQUIN)

On 4/1/09 before me, D SILVESTRE , Notary Public, personally appeared ESTHER AGHAZARIAN + JOE KOWALSKI

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature B Silvestre

MGC1 B. SILVESTRE COMM. #1748539 NOTARY PUBLIC - CALIFORNIA SAN JOAQUIN COUNTY COMM. EXPIRES JUNE 30, 2011 MGC1

This area for official notarial seal.

OPTIONAL SECTION
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- ☐ ATTORNEY-IN-FACT
- ☐ TRUSTEE(S)
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- ☐ OTHER

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OPTIONAL SECTION

Though the data requested here is not required by law, it could prevent fraudulent reattachment of this form.

THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED BELOW

TITLE OR TYPE OF DOCUMENT: _____

NUMBER OF PAGES _____ DATE OF DOCUMENT _____

SIGNER(S) OTHER THAN NAMED ABOVE _____

EDR Environmental Lien and AUL Search 1980

MISCELLANEOUS EXHIBITS

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SAN JOAQUIN COUNTY
COMMUNITY DEVELOPMENT DEPARTMENT

1810 E. HAZELTON AVE., STOCKTON, CA 95205-6232
PHONE: 209/468-3121 FAX: 209/468-3163

Doc #: 2010-170791
12/29/2010 10:34:25 AM
Page: 1 of 1 Fee: $14.00
Kenneth W Blakemore
San Joaquin County Recorders
Paid By: SHOWN ON DOCUMENT

AFTER RECORDING, RETURN TO:
San Joaquin County
Community Development Department
1810 East Hazelton Avenue
Stockton, California 95205

RECORDING REQUESTED BY:
CARR ESCALON PROPERTY LLC
PO BOX 299
FARMINGTON CA 95230

RIGHT TO FARM NOTICE

Pursuant to Section 6-9004(b) of the San Joaquin County Code, San Joaquin County Community Development Department hereby certifies that Minor Subdivision Application No. PA-1000167 was approved on SEPTEMBER 15, 2010, subject to the following Notice:

1. *All persons purchasing lots within the boundaries of this approved map should be prepared to accept the inconveniences or discomforts associated with agricultural operations or activities, such as noise, odors, insects, dust or fumes. San Joaquin County has determined that such inconveniences or discomforts shall not be considered to be a nuisance.*

This restriction is for informational purposes only and is not intended to affect record title interest. This Right To Farm Notice is being recorded to fulfill the conditions of approval of the above noted Subdivision Application and to provide notice to the current and future property owners.

Executed by the County of San Joaquin on this 13th day of DECEMBER, in the year 2010.

RICK GRIFFIN
Development Services Division

State of California
County of San Joaquin

On December 13, 2010 before me, V. Brown, A NOTARY PUBLIC, personally appeared RICK GRIFFIN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

V. BROWN
Commission # 1807237
Notary Public - California
San Joaquin County
My Comm. Expires Jul 24, 2012

SIGNATURE OF NOTARY

CAPACITY CLAIMED BY SIGNER

- ☐ *INDIVIDUAL (S)*
- ☐ *CORPORATE OFFICER (S)*
- ☐ *PARTNER (S)*
- ☐ *ATTORNEY-IN-FACT*
- ☐ *TRUSTEE (S)*
- ☐ *SUBSCRIBING WITNESS*
- ☐ *GUARDIAN/CONSERVATOR*
- ☑ *OTHER:*

SIGNER IS REPRESENTING:
SAN JOAQUIN COUNTY
COMMUNITY DEVELOPMENT
DEPARTMENT

APPENDIX G

EDR City Directory Image Report

Murphy Ranch
Brennan Road & Yosemite Avenue
Escalon, CA 95320

Inquiry Number: 7361112.9
June 13, 2023

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☐	EDR Digital Archive
2017	☑	☐	Cole Information
2014	☑	☐	Cole Information
2010	☑	☐	Cole Information
2005	☑	☐	Cole Information
2000	☑	☐	Cole Information
1995	☑	☐	Cole Information
1992	☑	☐	Cole Information
1985	☑	☐	Haines Criss-Cross Directory
1981	☑	☐	Haines Criss-Cross Directory
1977	☑	☐	Haines Criss-Cross Directory
1974	☑	☐	Haines Criss-Cross Directory
1971	☑	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

Brennan Road & Yosemite Avenue
Escalon, CA 95320

Year	*CD Image*	*Source*
BRENNAN RD		
2020	pg A2	EDR Digital Archive
2017	pg A8	Cole Information
2014	pg A11	Cole Information
2010	pg A14	Cole Information
2005	pg A17	Cole Information
2000	pg A21	Cole Information
1995	pg A24	Cole Information
1992	pg A27	Cole Information
1985	pg A29	Haines Criss-Cross Directory
1981	pg A31	Haines Criss-Cross Directory
1977	pg A33	Haines Criss-Cross Directory
1974	pg A36	Haines Criss-Cross Directory
1974	pg A37	Haines Criss-Cross Directory
1971	pg A39	Haines Criss-Cross Directory
YOSEMITE AVE		
2020	pg A4	EDR Digital Archive
2017	pg A9	Cole Information
2014	pg A12	Cole Information
2010	pg A15	Cole Information
2005	pg A19	Cole Information
2000	pg A22	Cole Information
1995	pg A25	Cole Information
1992	pg A28	Cole Information
1985	pg A30	Haines Criss-Cross Directory
1981	pg A32	Haines Criss-Cross Directory
1977	pg A34	Haines Criss-Cross Directory

FINDINGS

Year	***CD Image***	***Source***
1977	pg A35	Haines Criss-Cross Directory
1974	pg A38	Haines Criss-Cross Directory
1971	pg A40	Haines Criss-Cross Directory
1971	pg A41	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BRENNAN RD 2020

1220	ALAN BIEDERMANN
	BECKY BIEDERMANN
13437	ELIZABETH ROCHA
	JUSTIN BRANCO
	TRAVIS GOLDMAN
13942	MANUEL MIRANDA
	MARIA MIRANDA
	SUSAN MIRANDA
14089	ANA LEMUS
14691	DARLENE FRAGOSO
	LUIS FRAGOSO
	M & A DAIRY LP
15151	LEO VAN VLIET
15371	MIKE VAN VLIET
	VONDA VAN VLIET
15403	MICHAEL VANVLIET
	TYLER VANVLIET
	VONDA VAN VLIET
15912	ANDREW MELO
	JESSE MELO
	LOUIS MELO
17283	DANA NISSEN
	MICHAEL NISSEN
17521	DAVID SHAEFER
17565	ANGIE PANERO
	JAMIE PANERO
	LUCY PANERO
	MARC PANERO
	MARY PANERO
17595	CHARLES LOVETT
	CYNTHIA LOVETT
	MELISSA LOVETT
17825	LISA DUGO
18092	TRICHOCEREUS HEAVEN
18675	PAMELA BAVA
	STEPHEN BAVA
18949	DAVID LATTIG
	JENEE LATTIG
	NICHOLAS LATTIG
	SAMUEL LATTIG
18986	FRANK SANCHEZ
	KEVIN SANCHEZ
	LYNN SANCHEZ
21455	DAVID VANSPRONSEN
	GERALD VANSPRONSEN
	JOHN KORPHAGE
	KIMBERLY VANSPRONSEN
21857	CAMDEN LORENZO
	KELLY LORENZO
	LORENZO MARTIN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BRENNAN RD 2020 (Cont'd)

21857	ROBERT LEMOS
22029	SANTINO LUCCHESI
	SOPHIA REXIN
22191	DAVID PEREIRA
	SANDRA PEREIRA
22223	DAYLA MORRILL
	ROBERT MORRILL
	TINA MORRILL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YOSEMITE AVE 2020

1097	ATM
	BALWINDER SINGH
	ESCALON MINIMART
1100	TACO BELL
1108	BURGER KING
1213	ATM
	DISCOUNT LIQUOR & CIGARETTES
1246	CANCUN RESTAURANT
1507	ABDULIA CALDERON
	ARMANDO CALDERON
	EZEQUIEL CALDERON
	LILIANA CALDERON
	ROGELIO CALDERON
	VANESSA CALDERON
1520	ESCALON UNIFIED SCHOOL DIST
1528	ESCALON HIGH SCHOOL
1611	CESAR ORGANES
1625	PENNEY JERNIGAN
	SHIRLEY JERNIGAN
	WILLIAM JERNIGAN
1730	C JOHNSON
	CONNIE JOHNSON
	ROYCE JOHNSON
1735	RANDALL ANDREWS
	SERGIO MORALES
1829	FRANK SILVEIRA
	JENNINE SILVEIRA
	JIM SILVEIRA
	MELANIE SILVEIRA
	STEPHEN SILVEIRA
1955	AMY SNELLING
	REGINALD RODRIGUEZ
	SEAN SNELLING
1998	CHILD ABUSE PREVENTION COUNCIL
	DENT ELEMENTARY SCHOOL
	ESCALON CHILDREN'S SVC INC
2013	CHRYSE SEEMAN
	RODNEY SEEMAN
2110	NICOLE MEIER
	SHANE MEIER
2115	ANDREW MCDONALD
	SANDRA FRENCH
2118	ALISA ANDERSON
	DAVID ANDERSON
2122	LAURIE CRAIG
	MICHELLE CRAIG
	SCOTT CRAIG
2126	JOHN LARGENT
2127	JONATHAN SHEPHERD
2134	JEANNIE NEY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YOSEMITE AVE 2020 (Cont'd)

2134	JON NEY
	ZONA NEY
2206	ROSE HELTON
2210	GARY BUMGARDNER
	JOHN RICO
2211	CARLY ALVES
2214	JESSICA MORRIS
	MICHELLE MORRIS
2304	VICTOR VINCENT
2307	STEPHANIE BOOKOUT
	THADDEUS LEASE
2308	GINA VONALVENSLEBEN
	TOBY VONALVENSLEBE
2311	CLARENCE BOYLE
2312	CINDY FRITSCH
	EDDY FRITSCH
2315	PHILIP USSERY
	SONIA SOLARI
	SONIA USSERY
2316	DAVID WILLSON
2320	BRETT GOUZENNE
	BRITTNEY SALAZAR
2323	GUILLERMO GONZALEZ
	VERONICA GONZALEZ
2324	JOAN JUSTICE-BROWN
	MCKENZIE BROWN
	MORGAN BROWN
	RICHARD BROWN
2327	FRANK MARTINS
	NANCY MARTINS
2328	DOUGLAS JACKSON
	KIMBERLY JACKSON
	LUCAS JACKSON
	MITCHELL JACKSON
2331	GRACIE OROSCO
	JACK OROSCO
	JERRY OROSCO
	MELISSA OROSCO
	SOFIA RODRIGUEZ
2332	AL CATON
	KEITH DESIGNS
	KYLE KEITH
	MATT CATON
2400	GUADALUPE RANGEL
	MARIA RANGEL
	RUBEN RANGEL
2401	STEFFENIE JOHNSTAD
2404	GUY GOEDHART
2405	GARRETT FOSMARK
	KIMBERLEE FOSMARK

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YOSEMITE AVE 2020 (Cont'd)

2405	ROBERT FOSMARK
2408	DEBORAH ORTIZ
	GREGORIO ORTIZ
2409	ESTHER CADIOLO
	SHARON ANDREASSEN
	THEODORE CADIOLO
2412	OFELIA TREJO
	RUPERTO TREJO
2413	BRITTANY RYAN
	CASEY RYAN
	JOE BENTO
2416	ALYSSA HAGAN
	ANDREW HAGAN
	ANIMALS BASEBALL
	MARIE HAGAN
2417	DANNA MCCUNE
	VERONICA LOPEZ
2420	AUDRA CASANOVA
2421	ESTELLE HENRY
	ESTELLE ORTEGA
	WILLIAM LAMBOY
2424	MATTHEW YELLAND
2425	LAURA RIGG
	PATRICIA RIGG
2428	EUGENE SOBCHISHIN
	GINA SOBCHISHIN
	LINDA SOBCHISHIN
2429	RICHARD BARROW
	TERESA BARROW
2432	CHARLES GILMER
	STEPHANIE GILMER
2433	AARON FREITAS
	JANICE FREITAS
	JESSE FREITAS
	SAVANNAH FREITAS
2437	BRANDY GONZALES
	NICHOLAS ZULIM
	RAYMOND GONZALES
2441	DESIREE ESPARZA
	RACHEL ESPARZA
	THOMAS ESPARZA
2445	JOSHUA MARTINEZ
	SHAWN STROHMAN
2501	DERRICK DEFREITAS
	ED DEFREITAS
	PATTY DEFREITAS
2504	KATIE DEN
	MITCH DENBRAVE
2509	MICHAEL ANDRADE
	SUZANNE ANDRADE

YOSEMITE AVE 2020 (Cont'd)

2512 KATHLEEN BRIGGS
2513 RYAN BIEDERMANN
2516 NICK DAVIS
2520 MARCO PACHECO

Target Street	Cross Street	Source
✓	-	Cole Information

BRENNAN RD 2017

1210	CAMPOS, JENNIFER E
1220	BIEDERMANN, ALAN M
13437	GOLDMAN, SHELLI
13845	REGALADO, JULIANA
13942	MIRANDA, MANUEL G
13999	CASTRO, FRANCISCO A
14039	STUYT, ANASTASIA
14681	MOREIRA, SONIA M
14691	FRAGOSO, LUIS F
15151	VANVLIET, LEO M
15371	SWIFT, JULIE
15403	VANVLIET, MIKE L
16092	PACHECO, MANUEL A
16153	VILLALOVOS, JUAN J
16165	MIRANDA, AHOLIVA J
16177	SANTOS, ARIANA
16475	RANGEL, ALBERTO R
17283	NISSEN, MICHAEL
17565	PANERO, MARC R
17595	LOVETT, CHARLES B
17825	DUGO, LISA A
18112	FRANCO, MIKLE
18400	HERNANDEZ, EFRAIN
18429	BAVA, PHILIP L
18675	BROT, DAVID E
18719	CHERRY, DENISE A
18949	LATTIG, DAVID J
19117	ARCEO, JOSEFA
21455	VANSPRONSEN, DAVID K
22147	MELLO, BARBARA L
22149	WALL, JOSEPH M
22191	PEREIRA, DAVID F
22223	MORRILL, PEARL E

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2017

700	MARSH PRODUCE FURNISHINGS & COLLECTI
1097	ESCALON MINIMART
1100	TACO BELL
1108	BURGER KING
1213	DISCOUNT LIQUOR & CIGARETTS
1246	CANCUN RESTAURANT
1325	LUNA, YULY
1329	LATORRE, JACQUELINE
1507	CALDERON, ARMANDO
1611	ORGANES, CESAR
1625	PETERS, PAUL D
1730	JOHNSON, ROYCE W
1735	MORALES, SERGIO A
1829	SILVEIRA, FRANK J
1998	DENT ELEMENTARY SCHOOL
	ESCALON CHILDRENS SERVICES INC
	ESCALON UNIFIED SCHOOL DISTRICT
	PREVENTION COUNCIL CHILD ABUSE
2031	JANET, EDWARDS
2110	NILSSON, AARON D
2111	FRENCH, BRIAN
2115	FRENCH, SANDRA N
2118	ANDERSON, DAVID J
2122	CRAIG, SCOTT C
2126	LARGENT, JOHN G
2127	HERNANDEZ, GABE
2134	NEY, RON H
2202	GRAHAM, CLARK
2206	HELTON, ROSE M
2210	MAUK, JAMIE N
2211	ALVES, EMILY C
2311	BOYLE, CLARENCE M
2312	FRITSCH, EDDY A
2315	USSERY, SONIA D
2316	WILLSON, RICK J
2319	MIGLIORE, JILLIAN N
2320	HOILE, PHILIP C
2323	PARKER, THOMAS S
2324	BROWN, RICHARD A
2327	MARTINS, NANCY M
2328	JACKSON, DOUGLAS A
2331	OROSCO, JERRY T
2332	CATON, MATT J
2400	RANGEL, RUBEN T
2401	JOHNSTAD, MARK A
2404	GOEDHART, GUY H
2405	FOSMARK, ROBERT D
2408	ORTIZ, DEB S
2409	ANDREASSEN, CHRIS E
2412	TREJO, RUPERTO R

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2017 (Cont'd)

2413	HAMBY, MARK A
2416	HAGAN, ANDREW T
2417	MCCUNE, DANA E
2420	ZACHARIOU, ALEX A
2425	RIGG, RALPH
2428	SOBCHISHIN, EUGENE W
2432	GILMER, CHARLES L
2433	FREITAS, JESSE W
2441	ESPARZA, THOMAS E
2445	STROHMAN, SHAWN M
2501	DEFREITAS, ED T
2504	DEN, BRAVE M
2505	VALENCIA, RAMON
2508	SAND, SCOTT V
2509	ANDRADE, MICHAEL J
2512	BRIGGS, PATRICK B
2513	VALK, ROBERT E

Target Street	Cross Street	Source
✓	-	Cole Information

BRENNAN RD 2014

1210	BUTLER, CLAYTON A
1220	OCCUPANT UNKNOWN,
13437	ROCHA, ANTHONY J
13845	OCCUPANT UNKNOWN,
13942	MIRANDA, MANUEL G
13999	OCCUPANT UNKNOWN,
14039	BETANCOURT, ELIO
14089	FRAGOSO, LUIS F
14671	GUTIERREZ, DEL R
14681	MOREIRA, SONIA M
	ROCHA, M
14687	OCCUPANT UNKNOWN,
14691	MOREIRA, DANIEL F
15151	VANVLIET, LEO M
15371	CULLUM, RANDY L
15403	VANVLIET, MIKE L
15405	CONSOLI, JAN G
15912	MELO, LOUIS
16088	OCCUPANT UNKNOWN,
16092	PACHECO, MANUEL A
16153	VILLALOVOS, JUAN J
16165	MIRANDA, AHOLIVA J
16475	ORTIZ, ANALICIA
16568	CAMARA, TONY H
17066	GOMES, JACOB A
17263	OCCUPANT UNKNOWN,
17269	OCCUPANT UNKNOWN,
17271	MARTINEZ, JESUS J
17283	NISSEN, KATHERINE A
17521	TARKINGTON, DOROTHY K
17565	PANERO, MARC R
17595	OCCUPANT UNKNOWN,
17825	LOVETT, CHARLES B
18112	ROBINSON, VERNE
18400	VILLARRUEL, LIS
18429	BAVA, PHILIP L
18675	JOHANSEN, RICHARD E
18719	CHERRY, DENISE A
18743	GEORGE, DOUGLAS D
18949	LATTIG, DAVID J
18986	OCCUPANT UNKNOWN,
19117	ARCEO, JOSEFA
21455	VAN, SPRONSEN
21857	BOTTINI, PAUL F
22029	LAGIER, DANIEL D
22149	WALL, JOSEPH M
22191	PEREIRA, DAVID F
22223	MORRILL, PEARL E

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2014

1097	ESCALON MINIMART
1100	TACO BELL
1108	BURGER KING
1213	ABUSAUD, AHMAD S
	ADT SECURITY SERVICES
	DISCOUNT LIQUOR & CIGARETTES
	DISH NETWORK
1246	CANCUN RESTAURANT
1325	OCCUPANT UNKNOWN,
1329	LATORRE, JACQUELINE
1507	CALDERON, ARMANDO
1520	ESCALON UNIFIED SCHOOL DISTRICT
1528	ESCALON UNIFIED SCHOOL DISTRICT
1605	OCCUPANT UNKNOWN,
1611	ORGANES, CESAR
1625	JERNIGAN, WILLIAM D
1633	LATOUR-ARCHER, LAURIE E
1730	JOHNSON, ROYCE W
1731	IZZO, SUSAN
1735	ANDREWS, RANDALL
1829	SILVEIRA, FRANK J
1955	EGAN, JOSHUA J
1998	DENT ELEMENTARY SCHOOL
	ESCALON CHILDRENS SERVICES INC
	ESCALON UNIFIED SCHOOL DISTRICT
	HEAD START
2013	SEEMAN, RODNEY R
2021	FOCHA, JAROD
2031	JANET, EDWARDS
2039	OCCUPANT UNKNOWN,
2111	SERRANO, SANDRA L
2115	OCCUPANT UNKNOWN,
2118	MELLO, ANTHONY M
2121	CRANDAL, FRANK R
2122	CRAIG, SCOTT C
2126	LARGENT, JOHN G
2127	HERNANDEZ, GABE
2134	NEY, JON D
2202	KIM, GRAHAM
2206	HELTON, ROSE M
2210	MAUK, BILLY E
2211	MACLAUGHLIN, GRACE J
2214	MORRIS, DWAYNE B
2304	VINCENT, VICTOR F
2307	LEASE, THADDEUS C
2308	HATFIELD, NELSON A
2311	BOYLE, CLARENCE M
2312	FRITSCH, EDDY A
2315	USSERY, PHILIP S
2316	WILLSON, DAVID

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2014 (Cont'd)

2319	MIGLIORE, A
2320	HOILE, PHILIP C
2323	OCCUPANT UNKNOWN,
2324	BROWN, RICHARD A
2327	MARTINS, FRANK M
2328	JACKSON, DOUGLAS A
2331	OROSCO, JERRY T
2332	CATON, MATT J
2400	RANGEL, RUBEN T
2401	JOHNSTAD, MARK A
2404	ALEGRE, JOHN K
2405	FOSMARK, ROBERT D
2408	ORTIZ, GREGORIO P
2409	ANDREASSEN, CHRIS E
2412	TREJO, RUPERTO R
2416	HAGAN, ANDREW T
2417	MCCUNE, DANA E
2420	ODOM, JIMMIE E
2421	OCCUPANT UNKNOWN,
2424	LINDLEY, LIESELL M
2425	RIGG, PATRICIA M
2428	SOBCHISHIN, EUGENE W
2429	KACINSKI, JOSEPH M
2432	GILMER, CHARLES L
2433	FREITAS, JESSE W
2437	CRAIG, CHUCK C
2441	ESPARZA, CHRISTOPHER P
2445	MARTINEZ, JOSHUA R
2500	BORBA, TONY
2501	DEFREITAS, ED T
2504	DENBRAVE, MIKE R
2505	VALENCIA, RAMON
2508	ANDERSON, DAVID J
2509	WALL, VALENTINE
2512	BRIGGS, PATRICK B
2513	VALK, JENNA N
2516	DAVIS, PHILIP G
2520	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

BRENNAN RD 2010

1210	OCCUPANT UNKNOWN,
1220	BIEDERMANN, ALAN M
13437	ROCHA, ANTHONY M
13942	MIRANDA, MANUEL G
13944	OCCUPANT UNKNOWN,
13999	GUZMAN, NAZARIO
14039	BETANCOURT, ELIO
14681	OCCUPANT UNKNOWN, ROCHA, M
14687	A & A CLAW CARE ALVES, ANTONIO L
14691	MOREIRA, DANIEL F
15151	VANVLIET, LEO M
15371	SCHULER, MARTIN A
15403	VANVLIET, MIKE L
15405	OCCUPANT UNKNOWN,
15912	MELO, LOUIS
16068	OCCUPANT UNKNOWN,
16088	OCCUPANT UNKNOWN,
16092	PACHECO, MANUEL A
16153	VILLALOVOS, JUAN J
16177	OCCUPANT UNKNOWN,
16475	RANGEL, MARIA D
16568	BYLSMA, A
17108	GOMES, ALICE M
17263	OCCUPANT UNKNOWN,
17269	BARRIGA, GUADALUPE
17271	MARTINEZ, JESUS J
17283	NISSEN, DANA P
17322	OCCUPANT UNKNOWN,
17521	TARKINGTON, JOHN M
17565	PANERO, MARC R
17595	OCCUPANT UNKNOWN,
17825	LOVETT, CHARLES B
18112	SCHEER, B
18400	BAVARO, VITO A
18429	BAVA, MARILYN J
18675	JOHANSEN, RICHARD R
18719	GEORGE, JOE A
18743	GEORGE, DOUGLAS D
18949	OCCUPANT UNKNOWN,
18986	SANCHEZ, JESSIE L
19117	ARCEO, JOSEFA
21857	LEMOS, MANUEL S
22029	LAGIER RANCH LAGIER, DANIEL D
22149	WALL, JOSEPH M
22191	PEREIRA, DAVID F
22223	HUFFMAN, GYLLIAN M

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2010

1097	ADT 24 HR ALARM & SECURITY DLR
	ESCALON MINIMART
1100	TACO BELL
1108	BURGER KING
1213	DISCOUNT LIQUOR & CIGERRETS
	VALLEY NDT
1220	OCCUPANT UNKNOWN,
1246	CANCUN RESTAURANT
1325	OCCUPANT UNKNOWN,
1329	DE, LATORRE J
1507	CALDERON, EZEQUIEL G
1520	ESCALON UNIFIED SCHOOL DIST
1528	ESCALON HIGH SCHOOL
1605	SNELLING, MICHAEL A
1611	OCCUPANT UNKNOWN,
1625	JERNIGAN, WILLIAM D
1633	OCCUPANT UNKNOWN,
1730	JOHNSON, ROYCE W
1735	ANDREWS, RANDALL
1829	SILVEIRA, MORGAN P
1955	RODRIGUEZ, REGINALD R
1998	DENT ELEMENTARY SCHOOL
	ESCALON CHILDRENS SVC INC
	HEADSTART
2013	MONTOYA, CHRYSE D
2021	FOCHA, JAROD
2031	EDWARDS, TR R
2039	BOURNIVAL, JOHN R
2111	SERRANO, SANDRA
2115	CAPPS, MATT S
2118	REDICK, DAVID A
2121	CRANDAL, FRANK R
2122	CRAIG, SCOTT C
2126	LARGENT, JOHN G
2127	HERNANDEZ, GABE
2134	NEY, JON D
2202	KIM, GRAHAM
2206	OCCUPANT UNKNOWN,
2210	BUMGARDNER, GARY
2211	MACLAUGHLIN, GRACE J
2214	OCCUPANT UNKNOWN,
2304	VINCENT, VICTOR F
2307	LEASE, DENA
2311	BOBST, JOHN R
2312	FRITSCH, EDDY A
2315	OCCUPANT UNKNOWN,
2316	OCCUPANT UNKNOWN,
2319	MCGANN, JOAN
2320	HOILE, PHILIP C
2323	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2010 (Cont'd)

2324	BROWN, RICHARD A
2326	WILLSON, DAVID T
2327	MARTINS, FRANK M
2328	JACKSON, DOUGLAS A
2331	OCCUPANT UNKNOWN,
2332	CATON, AL L
2400	RANGEL, RUBEN T
2401	JOHNSTAD, MARK A
2404	ALEGRE, YVONNE M
2405	FOSMARK PAINTING
	FOSMARK, ROBERT D
2408	ORTIZ, GREGORIO P
2409	OCCUPANT UNKNOWN,
2412	TREJO, RUPERTO R
2413	BENTO, JOE A
2416	HETRICK, CHESTER D
2417	LOPEZ, VERONICA M
2420	ODOM, JIMMIE E
2421	HENRY, SANFORD
2425	RIGG, RALPH B
2428	SOBCHISHIN, EUGENE W
2429	OCCUPANT UNKNOWN,
2432	GILMER, CHARLES L
2433	MCCULLEY, JOSHUA A
2437	CRAIG, CHARLES C
2441	ESPARZA, THOMAS E
2445	MARTINEZ, CHRIS
2500	HOOD, JAMES M
2501	BESTRETAS, ED
2504	OCCUPANT UNKNOWN,
2505	FISK, ROBERT W
2508	ROSSETTI, ART L
2509	WALL, VALENTINA J
2512	BRIGGS, PATRICK D
2513	VALK, ROBERT N
2516	ERNEST, FRED A
2520	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

BRENNAN RD 2005

1210	OCCUPANT UNKNOWN,
1220	BIEDERMANN, ALAN M
13437	SPENCER, MARK S
13845	BORBA, FRANK D
13942	MIRANDA, MANUEL G
13944	SANCHEZ, GABRIEL
13999	GUZMAN, NAZARIO
14039	BETANCOURT, ELIO
14089	SILVEIRA, MARIA F
14671	AREVALOS, VICTOR M
14681	FRAGOSO, LUIS F
14687	ALVES, ANTONIO L
14691	DANIEL MOREIRA
	MOREIRA, DANIEL F
15151	VANVLIET, LEO M
15371	SCHULER, MARTIN A
15403	VANVLIET, MIKE L
15405	SCHULER, MARTIN A
15912	MELO, LUIS M
16088	OCCUPANT UNKNOWN,
16153	MEDINA, JUAN M
16165	SIMAO, LUCIO
16177	TOLISON, GLYNDA
16475	WEEDA, HAZINA
16568	BYLSMA, A
16923	SILVEIRA, EULELIA
17066	VELAZQUEZ, ESTER
17108	GOMES, ALICE M
17263	OCCUPANT UNKNOWN,
17267	NISSEN, PETER P
17269	MARTINEZ, JESUS J
17283	NISSEN, DANA P
17322	ABPLANALP, PAUL
17521	TARKINGTON, JOHN M
17565	PANERO, MARC J
17595	LOVETT, CHARLES B
17825	LOVETT, CHARLES
18092	OCCUPANT UNKNOWN,
18112	LOPES, FRANCIS N
18400	BAVARO, LANCE W
18429	BAVA, PHILIP L
18675	JOHANSEN, RICHARD R
18719	GEORGE, JOE A
18949	OCCUPANT UNKNOWN,
18986	SANCHEZ, JESSIE L
19117	ARCEO, JOSEFA
21455	OCCUPANT UNKNOWN,
21857	LEMOS, MANUEL S
22029	LAGIER RANCH
	LAGIER, DANIEL D

Target Street	Cross Street	Source
✓	-	Cole Information

BRENNAN RD 2005 (Cont'd)

22147 WALL, BRUCE I
22149 FERNANDES, ERIKA L
22191 PEREIRA, DAVID F
22223 HUFFMAN, GYLLIAN

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2005

1097	ESCALON MINI MART INC
1100	TACO BELL
1108	BURGER KING
1213	ABUSAUD, AHMAD S
	SIERRA VIEW BAIT & LIQUOR
	STUNNER CAR AUDIO
1220	SMITH, HARRY E
1246	CANCUN RESTAURANT
1329	MARTINEZ, VICTOR
1507	CALDERON, EZEQUIEL G
1520	ESCALON UNIFIED SCHOOL DISTRICT
1528	ESCALON HIGH SCHOOL
	VE R T I C U L L
1611	CARR, LISA
1625	JERNIGAN, WILLIAM D
1633	JERNIGAN, PENNEY
1730	JOHNSON, ROYCE W
1731	VANHOUTEN, ADRIAN J
1735	ANDREWS, RANDALL
1829	SILVEIRA, MARY P
1955	OCCUPANT UNKNOWN,
1998	ESCALON CHILDRENS SERVICES
	HEAD START
2013	SEEMAN, RODNEY R
2021	FOCHA, JAROD
2031	EDWARDS, TR R
2039	BOURNIVAL, JUDITH D
2115	MEADOWS, STACY L
2118	REDICK, DAVID A
2121	CRANDAL, FRANK R
2122	ATFAB VALLEY
	CRAIG, SCOTT C
2126	LARGENT, JOHN G
2127	HERNANDEZ, GERARDO G
2134	OCCUPANT UNKNOWN,
2202	PEREIRA, LURA M
2206	WATKINS, KATHY J
2210	VILEN, CARL J
2211	MACLAUGHLIN, GRACE J
2214	HOLDAWAY, CORY S
2304	VINCENT, VICTOR F
2307	LEASE, ROBERT B
2308	VONALVENSLEBEN, TOBY J
2311	BOBST, JOHN R
2312	FRITSCH, EDDY A
2315	SOLARI, SONIA D
2316	WILLSON, DAVID A
2319	MCGANN, MICHAEL P
2320	HOILE, PHILIP C
2323	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2005 (Cont'd)

2324	BROWN, RICHARD A
2327	MARTINS, FRANK M
2331	OROSCO, JERRY T
2332	RIGGS, WALDON C
2400	RANGEL, RUBEN T
2401	JOHNSTAD, MARK A
2404	ALEGRE, YVONNE M
2405	FOSMARK PAINTING
	FOSMARK, ROBERT D
2408	ORTIZ, GREGORIO P
2409	PRUETT, NORMAN D
2412	TREJO, RUPERTO
2413	BENTO, JOE
2416	KETTELL, DAVID W
2417	LOPEZ, VERONICA M
2420	ODOM, JIMMIE E
2421	HENRY, SANFORD
2424	HELZER, HELEN E
2425	RIGG, RALPH B
2428	HENSHAW, SANDRA S
2429	KACINSKI, JOSEPH M
2432	GILMER, CHARLES L
2433	MCCULLEY, JOSHUA A
2437	CRAIG, CHARLES C
2441	ESPARZA, THOMAS E
2445	MARTINEZ, CHRIS
2500	HOOD, JAMES
2501	KELLEY, TODD M
2504	OCCUPANT UNKNOWN,
2505	FISK, STEPHEN G
2508	CAMERON, HUGH S
2509	WALL, CORNELIUS C
2512	BRIGGS, PATRICK D
2513	VALK, ROBERT E
2516	ERNEST, FRED A

Target Street	Cross Street	Source
✓	-	Cole Information

BRENNAN RD 2000

13437	ROCHA, KAREN A
13845	OCCUPANT UNKNOWN,
13944	OCCUPANT UNKNOWN,
13999	MENDOZA, SARAH
14039	OCCUPANT UNKNOWN,
14089	ARREOLA, ALEIDA R
	SILVEIRA, MARIA F
	TORREOILLAS, B
14671	OCCUPANT UNKNOWN,
14681	FRAGOSO, LUIS F
14691	MOREIRA, DANIEL
15151	VANVLIET, LEO
15912	MELO, LOUIS
16088	OCCUPANT UNKNOWN,
16153	OCCUPANT UNKNOWN,
16475	WEEDA, ARIE
16568	CAMERA, TONY
16923	OCCUPANT UNKNOWN,
17066	VELAZQUEZ, ESTER
17108	GOMES, ALICE M
17263	NISSEN, DANA
17283	NISSEN, DANA
17322	OCCUPANT UNKNOWN,
17521	TARKINGTON, JOHN M
17565	OCCUPANT UNKNOWN,
17595	LOVETT, CHARLES
17682	OCCUPANT UNKNOWN,
17723	OCCUPANT UNKNOWN,
17825	LOVETT, CHARLES
18092	SARGENTI, J
18400	BAVARO, LANCE
18719	GEORGE, JOE A
18949	OCCUPANT UNKNOWN,
18986	OCCUPANT UNKNOWN,
19050	FLORES, ROMAN
19117	OCCUPANT UNKNOWN,
21857	E M C CORPORATION
	OCCUPANT UNKNOWN,
22029	LAGIER, DAN
22147	WALL, BRUCE I
22191	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2000

1097	ESCALON MINI MART
1100	TACO BELL
1108	BURGER KING
1213	S V CAR AUDIO D
	SIERRA VIEW BAIT & LIQUOR
	VALLEY N D T
1246	EL SENOR FROGS II
1325	OROZCO, V
1329	OCCUPANT UNKNOWN,
1507	CALDERON, E
1520	ESCALON UNIFIED SCHOOL DISTRICT
	ESCALON UNIFIED SCHOOL DISTRICT DISTRICT OFFICE
	MIGRANT EDUCATION ESCALON HIGH SCHOOL
1528	ESCALON UNIFIED SCHOOL DISTRICT SCHOOLS
1625	OCCUPANT UNKNOWN,
1633	JERNIGAN, PENNEY
1730	JOHNSON, ROYCE W
1731	OCCUPANT UNKNOWN,
1735	HENDERSHOT, RONALD W
1829	SILVEIRA, MARY P
1955	OCCUPANT UNKNOWN,
1998	ESCALON CHILDRENS SERVICES INCORPORATED
	ESCALON UNIFIED SCHOOL DISTRICT SCHOOLS
	HEAD START
	MIGRANT EDUCATION
2013	SEEMAN, RODNEY R
2021	FOCHA, MARY J
2031	EDWARDS, T R
2039	OCCUPANT UNKNOWN,
2115	SERRANO, RANDY
2118	ENOS, MANUEL A
2121	CRANDAL, FRANK R
2122	OCCUPANT UNKNOWN,
2126	LARGENT, JOHN R
2127	SHARP, CRAIG
2134	NEY, JON D
2202	PEREIRA, JOHN T
2206	LAYTON, CARLTA
2210	VILEN, CARL J
2211	OCCUPANT UNKNOWN,
2214	COLLIER, CHARLES
2304	VINCENT, GINA M
2307	LEASE, ROBERT B
2311	BOBST, JOHN R
2312	FRITSCH, EDDY A
2315	OCCUPANT UNKNOWN,
2316	WILLSON, DAVID T
2319	MCGANN, MICHAEL P
2320	HOILE, PHILIP C
2323	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 2000 (Cont'd)

2324 BROWN, RICHARD
2327 HARLAN, RANDY L
2331 OCCUPANT UNKNOWN,
2332 DAYTON, ANDREW J
2400 RANGEL, RUBEN
2401 JOHNSTAD, MARK
2404 ORTEGAJR, RAYMOND R
2405 FOSMARK, ROBERT D
2408 SEIDLITZ, DEBORAH A
2409 PRUETT, NORMAN D
2413 MACHADO, BERNICE M
2416 KETTELL, DAVID W
2421 ORTEGA, ESTELLE M
2424 JEFFERSON, SHASTA M
PARKLANE AT BRENTWOOD ESTATES
2425 OCCUPANT UNKNOWN,
2429 KACINSKI, JOSEPH M
2432 OCCUPANT UNKNOWN,
2433 OCCUPANT UNKNOWN,
2437 CRAIG, CHARLES C
2441 ESPARZA, THOMAS
2445 MARTINEZ, KATHY J
2500 PACHECO, ORLAND F
2504 NEY, GREGORY J
2508 CAMERON, SCOTT
2512 BRIGGS, PATRICK D

Target Street	Cross Street	Source
✓	-	Cole Information

BRENNAN RD 1995

13437	OCCUPANT UNKNOWNN
13845	BORBA, FRANK D JR
13944	RIVAS, ALVARO
14039	GROPPETTI, ALVIN L JR
14089	MACHADO, FRANK
	MEDINA, LUCIA
14691	MOREIRA, DANIEL
15151	VANVLIET, LEO
15405	MALLARD, HAROLD
15912	PEREIRA, JOE
16068	OCCUPANT UNKNOWNN
16088	MACHADO, MANUEL
16092	WILSON, RONALD E
16153	FONTES, JOHN
16475	WEEDA, ARIE
16568	CAMERA, TONY
16923	GOEDHART, SAM
17108	GOMES, ALICE
17263	NISSEN, PETE P
17269	OCCUPANT UNKNOWNN
17283	NISSEN, DANA
17521	TARKINGTON, JOHN
17565	M & M COMPUTERS
	PANERO, MARC J
17595	OCCUPANT UNKNOWNN
17682	OCCUPANT UNKNOWNN
17825	LOVETT, ROSCOE
18112	CARR LAB KENNELS
	CARR REX
18675	BEHRENS, MICHAEL J
18719	GEORGE, JOE
18986	SANCHEZ, FRANK
19117	KISNER, KATINA
22029	ANDERSON, EARL M
	LAGIER, DAN
22191	PEREIRA, DAVID F

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 1995

1097	ESCALON MINI MART
1101	CHET MEYS
1120	FARMER BILLS PRODUCE
1213	SIERRA VIEW BAIT & LIQUOR
	VALLEY NDT
1246	FRANCOS
1325	ENOS, KATHY
1507	CALDERON, E G
1520	ESCALON HIGH SCHOOL
	ESCALON UNIFIED SCHOOL DIST
	MIGRANT EDUCATION HIGH SCHOOL
1611	BRANAUM, CAROL
1730	JOHNSON, ROYCE W
1731	JENSEN, TERRY L
1735	OCCUPANT UNKNOWNN
1829	OCCUPANT UNKNOWNN
	SILVEIRA, MANUEL
1955	RODRIGUEZ, REGGIE
1998	DENT ELEMENTARY SCHOOL
	ESCALON CHILDRENS SVC INC
	HEADSTART
	MIGRANT EDUCATION
2013	OCCUPANT UNKNOWNN
2021	OCCUPANT UNKNOWNN
2031	OCCUPANT UNKNOWNN
2039	OCCUPANT UNKNOWNN
2115	SERRANO, RANDY C
2118	ENOS, MANUEL A
2121	CRANDAL, FRANK R
2122	CRAIG, SCOTT
2126	LARGENT, JOHN R
2127	SPHULER, STACI
2134	NEY, JON D
2202	PEREIRA, JOHN T
2206	ORR, JACK
2210	VILEN, CARL J
2211	LACY, SAMUEL R
2214	COLLIER, BARBARA
2304	OCCUPANT UNKNOWNN
2307	LEASE, ROBERT B
2308	OCCUPANT UNKNOWNN
2311	BOBST, JOHN R
2312	OCCUPANT UNKNOWNN
2315	OCCUPANT UNKNOWNN
2316	WILLSON, DAVID T
2319	MCGANN, MICHAEL P
2320	OCCUPANT UNKNOWNN
2323	OCCUPANT UNKNOWNN
2324	OCCUPANT UNKNOWNN
2327	HARLAN, RANDY

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 1995 (Cont'd)

2331	AVILA, ROBERT D
2400	RANGEL, RUBEN
2404	SIMAS, GARY
2405	FOSMARK, ROBERT D
2408	SEIDLITZ, STEVE
2409	BORYLA, BARBARA
2429	KACINSKI, JOSEPH M

Target Street	Cross Street	Source
✓	-	Cole Information

BRENNAN RD 1992

13845	BORBA, FRANK D JR
15151	VANVLIET, LEO
15405	SCHULER, MARTIN A
15912	PEREIRA, JOE
16088	MACHADO, MANUEL
16475	WEEDA, ARIE
16568	CAMERA, TONY
16923	GOEDHART, SAM
17283	NISSEN, DANA
17521	TARKINGTON, JOHN M
17565	M&M COMPUTERS
	PANERO, MARC J
17595	LOVETT, CHARLES
17825	LOVETT, ROSCOE
18112	CARR LAB KENNELS
18719	GEORGE, JOE
18986	SANCHEZ, FRANK
22029	LAGIER, DAN
22223	MIKES WELDING&RPR

Target Street	Cross Street	Source
✓	-	Cole Information

YOSEMITE AVE 1992

1097	ESCALON MINI MART
1100	SPORTS SHACK THE
1101	ESCALON RV
	NEY CHET USED CARS
1120	FARMER BILLS PRDCE
1213	SIERRA VW BAIT&LQR
	VALLEY N D T
1246	PIERRES RESTAURANT
1520	ESCALON HI SC
	ESCALON HI SC POOL
	ESCALON SC DIST OFC
	ESCALON UNIFIED SC
1611	GENTRY, CAROL
1730	JOHNSON, ROYCE W
1731	JENSEN, TERRY L
1829	SILVEIRA, MANUEL
1955	RODRIGUEZ, REGGIE
1998	ESCALON CHLDRNS SVS
	ESCALON SC ELEM
	MIGRANT EDUCATION
2013	SEEMAN, RODNEY R
2118	NOBLE, HOMER F
2121	CRANDAL, FRANK R
2122	CRAIG, SCOTT
2126	LARGENT, JOHN R
2127	ALTAMIRANO, RICHARD
2134	NEY, JON D
2202	PEREIRA, JOHN T
2210	VILEN, CARL J
2211	LACY, SAMUEL R
2214	WILLIAMS, ELVA S
2307	LEASE, ROBERT B
2308	BECK, KENNETH
2319	MCGANN, MICHAEL P
2324	WANN, LORIE E

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

BRENNAN RD 1985

BRENNAN RD S 95320
ESCALON

13437	FOCHA L	838-2147	
13845	XXXX	00	
13999	BENTO GREGORIO	838-2318	1
14039	SILVEIRA MANUEL	838-2163	3
14089	MACHADO FRANK	838-7524	
14089½	AGUIAR JOSE	838-1667	4
14691	DOEK ARNOLD	838-1743	+5
	MARTINS JOE H	838-1655	+5
15151	MURPHY BILL CO	838-1430	+5
	VANVLIET MARION	838-7768	
15405	HOEK BRIAN	838-1234	0
15912	PEREIRA JOE	838-2559	8
16066	NUNES PAULO G	838-7113	4
16038	DAWSON LEONARD	838-2394	
16092	CHAVES JOHN	838-2974	1
16153	MELO MANUEL	838-2062	1
16165	XXXX	00	
16475	WEEDA ARIE	838-7549	
16568	CAMERA TONY	838-2538	0
16902	XXXX	00	
16923	GOEDHART SAM	838-1433	9
17066	XXXX	00	
17108	GOMES TEOTONIO E JR	838-2900	
17263	XXXX	00	
17322	ABPLANALP CARL JR	838-2772	6
17521	TARKINGTON JOHN M	838-3157	
17566	PANERO MARC J	838-7592	
17595	JOHNS W J	838-3176	+5
17682	XXXX	00	
17825	LOVETT ROSCOE	838-2258	
18092	JAMISON L	838-1730	+5
	SAGENTI BILL	838-1730	+5
18112	CARR LAB KENNELS	838-2487	
	CARR REX	838-2487	
18400	TURNER GEORGE E	838-3458	2
18429	BAVA O L	838-2053	
18675	BAVA PHILLIP L	838-2257	2
	BAVA ROSS	838-1550	+5
18719	GEONGE JOE	838-7976	
18949	GEORGE DOUGLAS	835-2222	3
18966	SANCHEZ FRANK	838-2024	
19050	VARGAS TONY	838-2132	3
19117	DELGADO EFREN T	838-3047	4
21455	VANSPRONSEN GERALD	838-2637	
22029	LAGIER DAN	838-1192	9
22149	WALL BRUCE I	838-2951	
	WALL PAUL	838-1337	+5
22191	XXXX	00	
22223	MIKES WELDING&RPR	838-2550	
	MORRILL LEELAN W	838-2550	

* 5 BUS 45 RES 8 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YOSEMITE AVE 1985

YOSEMITE AV 95320
ESCALON

1101	NEY CNET USED CARS	838-7141	3
1120	FARMER BILLS PRODCE	838-2091	2
1213	ESCALON GRDN&NPSRY	636-1522	2
	SIERRA VW BAIT&LOR	636-1520	2
1246	RANCH HOUSE RESTRNT	838-2415	2
1520	ESCALON HIGH SC	838-7073	
	ESCALON UNFD SC OFC	838-3561	1
1605	WILLIAMS BARBARA	838-1107	4
1611	XXXX	00	
1633	BOATMAN CLARENCE M	636-7839	1
1730	JOHNSON FRANK O	838-7723	
1629	SILVEIRA MANUEL	836-2370	
1955	RODRIGUEZ REGIE	836-2701	0
1998	OENT UNION SCHOOL	636-7031	
2013	CALCAGNO A R	836-2466	3
2021	FOCHA MELVIN R	836-2470	
2118	NOBLE HOMER F	636-7690	
2121	CRANDAL FRANK R	636-2730	
2122	MARTIN DANA	636-3689	2
2126	LARGENT JOHN R	838-2214	
2127	ALTAMIRANO RICHARD	838-2036	
	ALTAMIRANO VERA	638-2036	
2134	NEY JON D	838-2092	
2202	PEREIRA JOHN T	838-2480	3
2206	MOSTOWSKI JOHN J	838-2768	
2210	VILEN CARL J	838-2444	
2211	REYNOLDS P M	838-3090	
2214	WILLIAMS E H	838-2648	
2304	TAYLOR HERBERT G	838-7168	
2307	LEASE ROBT B	838-7956	
2306	PEHOLETON EDGAR	838-3427	+S
*	8 BUS 23 RES	1 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

BRENNAN RD 1981

BRENNEN RD S 95320
ESCALON

13437	FOCHA L	838-2147	4
13845	PINHEIRO JOE	838-2588	9
13944	VAZ RAY	838-1147	0
13999	BENTO GREGORIO	838-2318	+1
14039	SILVEIRA MANUEL	838-2163	3
14089	MACHADO FRANK	838-7524	4
14691	MIEDEMA LYKELE	838-3508	0
15151	VANVLIET MARION	838-7788	
15405	HOEK BRIAN	838-1234	0
15912	PEREIRA JOE	838-2559	8
16068	CHAVES JOHN G	838-2086	+1
16088	DAWSON LEONARD	838-2394	
16092	CHAVES JOHN	838-2974	+1
16153	MELO MANUEL	838-2062	+1
16165	BRASIL JOSE C	838-7798	9
16475	WEEDA ARIE	838-7549	
16568	CAMERA TONY	838-2538	0
16902	XXXX	00	
16923	GOEDHART SAM	838-1433	9
17066	ADAMS A	838-1160	+1
17108	GOMES TEOTONIO E JR	838-2900	
17263	XXXX	00	
17322	ABPLANALP CARL JR	838-2772	6
17521	TARKINGTON JOHN M	838-3157	
17565	PANERO MARC J	838-7592	5
17595	CAMPBELL K M	838-3176	

AAY NOT BE KEYPUNCHED, ENTERED INTO A COMPU

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YOSEMITE AVE 1981

YOSEMITE AV E 95320
ESCALON

1100	XXXX	00	
1101	NEY CHET USED CARS	838-7141	3
1120	ESCALON PRODUCE	638-1450	9
1210	XXXX	00	
1213	BIG VALLEY SHAKE CO	838-7151	9
1220	XXXX	00	
1246	PUMP HS REST&LOUNGE	638-2415	5
1325	XXXX	00	
1329	XXXX	00	
1500	XXXX	00	
1507	XXXX	00	
1520	ESCALON HIGH SC	638-7073	2
	ESCALON SC DIST OFC	638-3591	+1
1605	SIMMONS BARBARA	838-1107	9
1611	SNELLING ORVALL S	838-7010	+1
1625	XXXX	00	
1633	BOATMAN CLARENCE M	838-7839	7
1730	JOHNSON FRANK O	838-7723	
1731	XXXX	00	
1735	XXXX	00	
1829	SILVEIRA MANUEL	838-2370	
1866	XXXX	00	
1955	RODRIGUEZ REGGIE	838-2701	0
1998	DENT UNION SCHOOL	638-7031	
2013	CALCAGNO A R	838-2466	3
2021	FOCHA MELVIN R	838-2470	
2031	XXXX	00	
2039	SNESRUD J	838-2925	6
2115	XXXX	00	
2118	NOBLE HOMER F	838-7690	
2121	CRANDAL FRANK R	838-2730	
2122	MARTIN IRMA M	838-7247	8
2126	LARGENT JOHN R	838-2214	
2127	ALTAMIRANO RICHARD	838-2036	
	ALTAMIRANO VERA	838-2036	
2134	NEY JON D	838-2092	
2202	PEREIRA JOHN T	838-2480	3
2206	MOSTOWSKI JOHN J	838-2766	
2210	VILEN CARL J	838-2444	
2211	REYNOLDS P M	838-3090	
2214	WILLIAMS E H	838-2648	
2222	MILLER P	858-4108	7
2304	TAYLOR HERBERT G	838-7168	
2307	LEASE ROBT B	838-7958	
2308	XXXX	00	

★ 7 BUS 38 RES 2 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

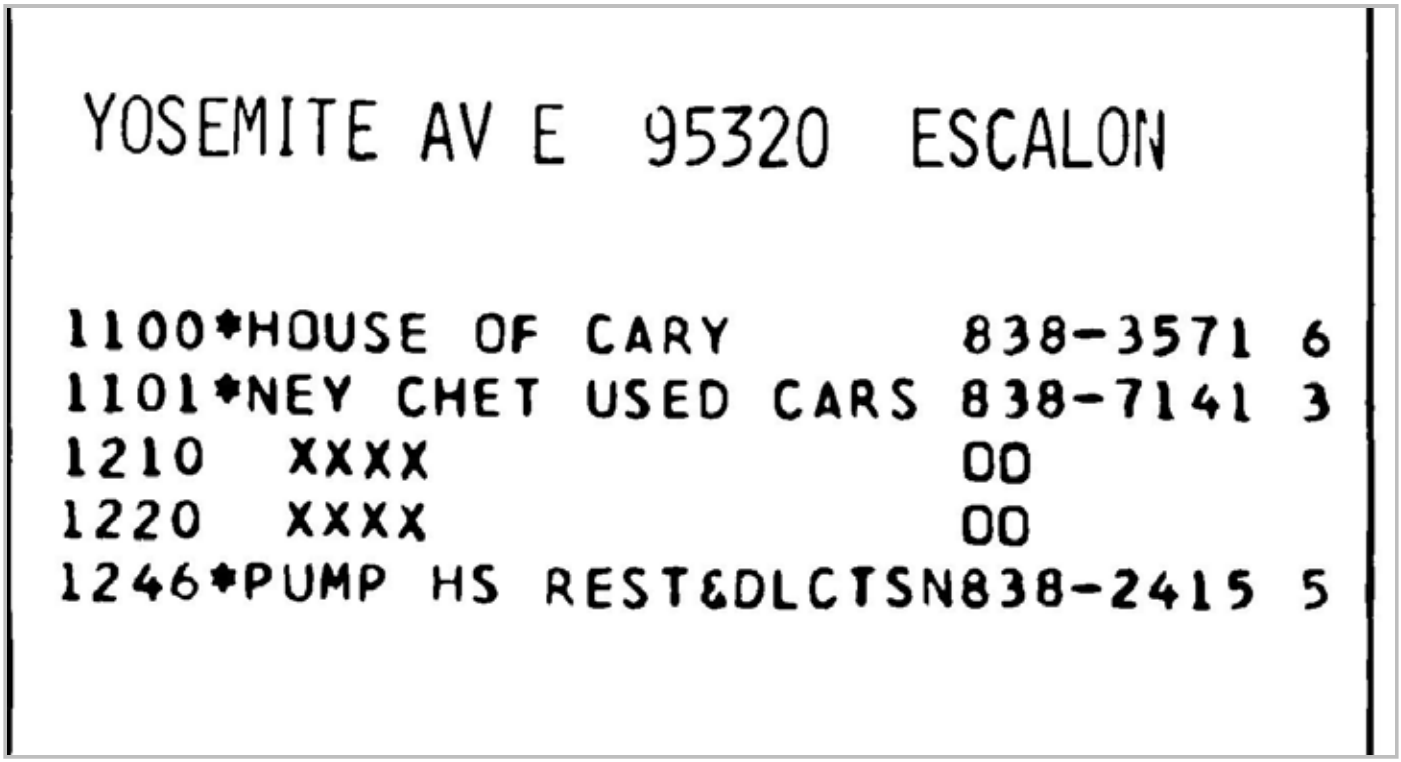
BRENNAN RD 1977

BRENNEN RD S 95320 ESCALON

	13437	FOCHA L	838-2147 4
3	13845	FOCHA MARVIN F	838-3041
7	13944	CAMERA TONY	838-2538 6
	13999	PINHEIRO JOE	838-2588
7	14039	SILVEIRA MANUEL	838-2163 3
	14089	MACHADO FRANK	838-7524 4
6	14691	POSTMA SYBE	838-2945
	15151	*VANVLIET M&SONS INC	463-3121 4
		VANVLIET MARION	838-7788
6	15403	SCHULER MARTIN A	838-2622 6
	15912	CHAVES ISIDRO	838-2559 4
	16068	CHAVES JOHN	838-2974 5
	16088	DAWSON LEONARD	838-2394
	16165	XXXX	00
	16475	WEEDA ARIE	838-7549
	16568	NETO MARIO	838-2233 5
6	16902	DAVIS DEAN	838-3259 5
	16923	BETTENCOURT JOE	838-3787+7
	17108	GOMES TEOTONIO E JR	838-2900
	17263	XXXX	00
	17322	ABPLANALP CARL JR	838-2772 6
	17521	TARKINGTON JOHN M	838-3157
	17565	PANERO MARC J	838-7592 5
	17595	CAMPBELL K M	838-3176
5	17682	XXXX	00
	17825	LOVETT ROSCOE	838-2258
	18092	SARGENTI BILL	838-2205 6
7	18112	*CARR LAB KENNELS	838-2487
6		*CARR REX	838-2487
	18400	VEGAS FRED	838-3949+7
2	18429	BAVA D L	838-2093
	18675	BAVA PHILIP L	838-2257 2
	18719	GEORGE JOE	838-7976
	18949	GEORGE DOUGLAS	838-2222 3
7	18986	SANCHEZ FRANK	838-2024
6	19050	VARGAS TONY	838-2132 3
2	19117	MCDOWELL ELVIN	838-7411 5
	21455	VANSPRONSEN G	838-2637 5
7	22029	RUGH R L	838-2889
	22149	WALL BRUCE I	838-2951
	22191	XXXX	00
4	22223	*MIKES WELDING&RPR	838-2550
6		*MORRILL LEELAN W	838-2550
		* 5 BUS 38 RES 2 NEW	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YOSEMITE AVE 1977



YOSEMITE AV E 95320 ESCALON

1100*HOUSE OF CARY 838-3571 6
1101*NEY CHET USED CARS 838-7141 3
1210 XXXX OO
1220 XXXX OO
1246*PUMP HS REST&DLCTSN838-2415 5

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YOSEMITE AVE 1977

..YOSEMITE AV E 95320 CONT..

1329 XXXX 00
1500 XXXX 00
1507 XXXX 00
1520 *ESCALON UN HI SCHL 838-7073 2
*ESCALON UNFD SC DST 838-7073 2
1605 XXXX 00
1611 PAYNE JAS 838-7656+7
1625 JERNIGAN WM DEAN 838-3452 4
1633 BOATMAN CLARENCE M 838-7839+7
1730 JOHNSON FRANK O 838-7723
1731 HILLMAN BILL 838-2049 6
1735 MAGNUSON RICHARD 838-7790 6
1829 SILVEIRA MANUEL 838-2370
1866 XXXX 00
1955 LOWE BETTY 838-2409
1998 *DENT UNION SCHOOL 838-7031
2013 CALCAGNO A R 838-2466 3
2021 FOCHA MELVIN R 838-2470
2031 EDWARDS T R 838-7807
2039 SNESRUD J 838-2925 6
2115 APPLEQUIST MARVIN 838-2159
2118 *GENETIC BREEDERS 838-2401
NOBLE HOMER F 838-7690
2121 CRANDAL FRANK R 838-2730
2126 LARGENT JOHN R 838-2214
2127 ALTAMIRANO RICHARD 838-2036
ALTAMIRANO VERA 838-2036
2134 NEY JON D 838-2092
2202 PEREIRA JOHN T 838-2480 3
2206 MOSTOWSKI JOHN J 838-2766
2210 VILEN CARL J M 838-2444
2211 REYNOLDS PHYLLIS M 838-3090
2214 WILLIAMS E H 838-2648
2222 MILLER P 858-4108+7
2304 TAYLOR HERBERT G 838-7168
2307 LEASE ROBT B 838-7958
2308 XXXX 00
* 7 BUS 35 RES 3 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

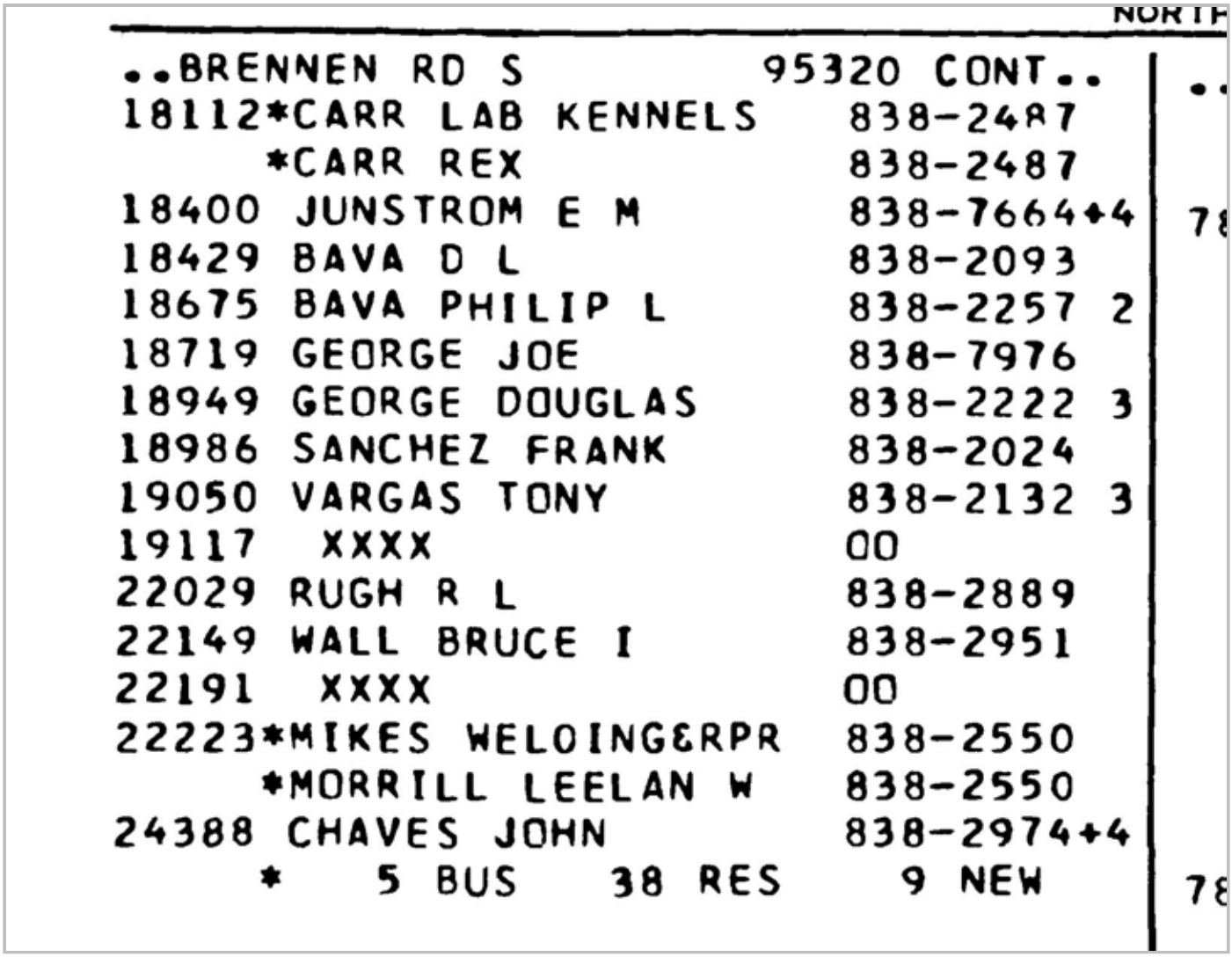
BRENNAN RD 1974

BRENNEN RD S 95320 ESCALON

13437	FOCHA L	838-2147+4
13845	FOCHA MARVIN F	838-3041
13944	DEAGUIAR JOSE M	838-2205
	MACIEL MANUEL	838-2150+4
13999	PINHEIRO JOE	838-2588
14039	SILVEIRA MANUEL	838-2163 3
14089	AMARAL SERAFIN	838-2319+4
	MACHADO FRANK	838-7524+4
14691	POSTMA SYBE	838-2945
15151	*VANVLIET M&SONS INC	463-3121+4
	VANVLIET MARION	838-7788
15912	CHAVES ISIDRO	838-2559+4
16088	DAVIS DEAN	838-3259
	DAWSON LEONARD	838-2394
16165	SANTOS TONY	838-2603+4
16475	WEEDA ARIE	838-7549
16568	XXXX	00
16923	VAREKAMP GILBERT	838-2273
	VAREKAMP PIA	838-2273
17108	GOMES TEOTONIO E JR	838-2900
	GOMES TONY E	838-3357 2
17263	BERKHOUT PIETER G	838-3031
17521	TARKINGTON JOHN M	838-3157
17595	CAMPBELL K M	838-3176
17682	ALVAREZ RODOLFO	838-3422 3
17825	LOVETT ROSCOE	838-2258
18092	FOLSOM JOHN D	838-3263

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

BRENNAN RD 1974



NORTH

..BRENNEN RD S 95320 CONT..

18112 *CARR LAB KENNELS 838-2487
*CARR REX 838-2487
18400 JUNSTROM E M 838-7664+4
18429 BAVA D L 838-2093
18675 BAVA PHILIP L 838-2257 2
18719 GEORGE JOE 838-7976
18949 GEORGE DOUGLAS 838-2222 3
18986 SANCHEZ FRANK 838-2024
19050 VARGAS TONY 838-2132 3
19117 XXXX OO
22029 RUGH R L 838-2889
22149 WALL BRUCE I 838-2951
22191 XXXX OO
22223 *MIKES WELOING&RPR 838-2550
*MORRILL LEELAN W 838-2550
24388 CHAVES JOHN 838-2974+4
* 5 BUS 38 RES 9 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YOSEMITE AVE 1974

YOSEMITE AV E 95320 ESCALON

1101	*NEY CHET USED CARS	838-7141	3
1210	*POGGIO RANCH	838-9990	3
1220	XXXX	00	
1329	SHEMBARGER RUBY	838-2857	
1500	XXXX	00	
1507	BROOKS STEVE	838-7235	
1520	*ESCALON UN HI SCHL	838-7073	2
	*ESCALON UNFD SC DST	838-7073	2
1605	HARRIS MARTIN	838-7145	3
1611	CRISLER COLIN D	838-3160	3
1625	JERNIGAN WM DEAN	838-3452	+4
1633	XXXX	00	
1730	JOHNSON FRANK O	838-7723	
1735	SKILES ARTHUR	838-7800	2
1829	SILVEIRA MANUEL	838-2370	
1955	LOWE BETTY	838-2409	
1998	*DENT UNION SCHOOL	838-7031	
2013	CALCAGNO A R	838-2466	3
2021	FOCHA MELVIN R	838-2470	
2031	EDWARDS T R	838-7807	
2039	RAFFERTY FRANCIS R	838-3296	3
2115	APPLEQUIST MARVIN	838-2159	
2118	*GENETIC BREEDERS	838-2401	
	NOBLE HOMER F	838-7690	
2121	CRANDAL FRANK R	838-2730	
2126	LARGENT JOHN R	838-2214	
2127	ALTAMIRANO RICHARD	838-2036	
	ALTAMIRANO VERA	838-2036	
2134	NEY JON D	838-2092	
2202	PEREIRA JOHN T	838-2480	3
2206	MOSTOWSKI JOHN J	838-2766	
2210	VILEN CARL J M	838-2444	
2211	REYNOLDS PHYLLIS M	838-3090	
2214	WILLIAMS E H	838-2648	
2304	TAYLOR HERBERT G	838-7168	
2307	LEASE ROBT B	838-7958	
2308	XXXX	00	

* 6 BUS 31 RES 1 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

BRENNAN RD 1971

BRENNEN RD S 95320 ESCALON

13437	FOCHA TONY MRS	838-2147
13845	FOCHA MARVIN F	838-3041
13944	DEAGUIAR JOSE M	838-2205
13999	PINHEIRO JOE	838-2588
14089	DASILVA AVELIND	838-7418
14691	POSTMA SY8E	838-2945
15151	VANVLIET MARION	838-7788
15912	ROCHA JOE N	838-2559
16088	DAVIS OEAN	838-3259
	DAWSON LEONARD	838-2394
16165	DEMELO CLAUDINO	838-2943
16475	WEEDA AR1E	838-7549
16568	CHAVES JOHN	838-2318
16923	VAREKAMP GIL8ERT	838-2273
	VAREKAMP PIA	838-2273
17108	GOMES TEOTONIO E JR	838-2900
17263	8ERKHOUT PIETER G	838-3031
17521	TARKINGTON JOHN M	838-3157
17595	CAMP8ELL K M	838-3176
17682	GOMEZ TONY	838-2246
17825	LOVETT ROSCOE	838-2258
18092	FOLSOM JOHN O	838-3263
18112	*CARR LA8 KENNELS	838-2487
	*CARR REX	838-2487
18400	GASPER WM	838-2042
18429	8AVA D L	838-2093
18719	GEORGE JOE	838-7976
18986	SANCHEZ FRANK	838-2024
19117	SHAW MIKE	838-7260
22029	RUGH R L	838-2889
22149	WALL 8RUCE I	838-2951
22191	PEREIRA JOHN T	838-2480
22223	*MIKES WELDING&RPR	838-2550
	*MORRILL LEELAN W	838-2550
24388	8RADFUTE R D	838-2170
	* 4 8US 31 RES	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YOSEMITE AVE 1971

YOSEMITE AV E 95320 ESCALON

1101*	CHET NEY USED CARS	838-7141
1210*	YOSEMITE PRODUCE	838-9950
1220	OREWREY BARBARA	838-3247
1329	SHEMBARGER RUBY	838-2857
1500*	ESCALON UNION HI SC	838-7073
1507	BROOKS STEVE	838-7235
1605	CRISLER COLIN O	838-3160
1611	SNELLING LARRY	838-7309
1633	BERTRAND WM O	838-3268
1730	JOHNSON FRANK O	838-7723
1735	SKYLES ARTHUR	838-7800
1829	SILVEIRA MANUEL	838-2370
1955	LOWE BETTY	838-2409
	LOWE O B	838-2409
1998*	OENT UNION SCHOOL	838-7031
2013	TERRY O R	838-2466
2021	FOCHA MELVIN R	838-2470
2031	EOWAROS OEANNA	838-7807
	EOWAROS T R	838-7807

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YOSEMITE AVE 1971

2039	MERRELL WM E	838-3195
2115	APPLEQUIST MARVIN	838-2159
2118	*GENETIC BREEDERS	838-2401
	NOBLE HOMER F	838-7690
2121	CRANDAL FRANK R	838-2730
2126	LARGENT JOHN R	838-2214
2127	ALTAMIRANO RICHARO	838-2036
	ALTAMIRANO VERA	838-2036
2134	NEY JON O	838-2092
2202	BARTOLOMEI GENE	838-2511
2206	MOSTOWSKI JOHN J	838-2766
2210	VILEN CARL J M	838-2444
2211	REYNOLOS PHYLLIS M	838-3090
2214	WILLIAMS E H	838-2648
2304	TAYLOR HERBERT G	838-7168
2307	LEASE ROBT B	838-7958
2308	CLARK J RICHARO	838-2004

* 5 BUS 31 RES

APPENDIX H

EDR Property Tax Map Report

Murphy Ranch
Brennan Road & Yosemite Avenue
Escalon, CA 95320

Inquiry Number: 7361112.10
June 13, 2023

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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APPENDIX I

EDR Building Permit Report

Murphy Ranch
Brennan Road & Yosemite Avenue
Escalon, CA 95320

Inquiry Number: 7361112.13
June 13, 2023

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Building Permit Report: Search Documentation

6/13/23

Site Name:
Murphy Ranch
Brennan Road &
Escalon, CA 95320

EDR Inquiry # 7361112.13

Client Name:
Baez Geotechnical Group
P.O. Box 296
Oakdale, CA 95361

Contact: Stefanie Parman

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 6/13/23, EDR does not have access to building permits in the city where your target property is located (Escalon, CA).

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

APPENDIX J

EDR Vapor Encroachment Screen

Murphy Ranch
Brennan Road & Yosemite Avenue
Escalon, CA 95320

Inquiry Number: 7361112.5s
August 18, 2023

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Primary Map	**2**
Secondary Map	**3**
Map Findings	**4**
Record Sources and Currency	**GR-1**

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	0	0	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	0	0	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

MURPHY RANCH
BRENNAN ROAD & YOSEMITE AVENUE
ESCALON, CA 95320

COORDINATES

Latitude (North):	37.79769 - 37° 47′ 51.688843″
Longitude (West):	121.011577 - 121° 0′ 41.66565″
Elevation:	112 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

Not Reported

EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page

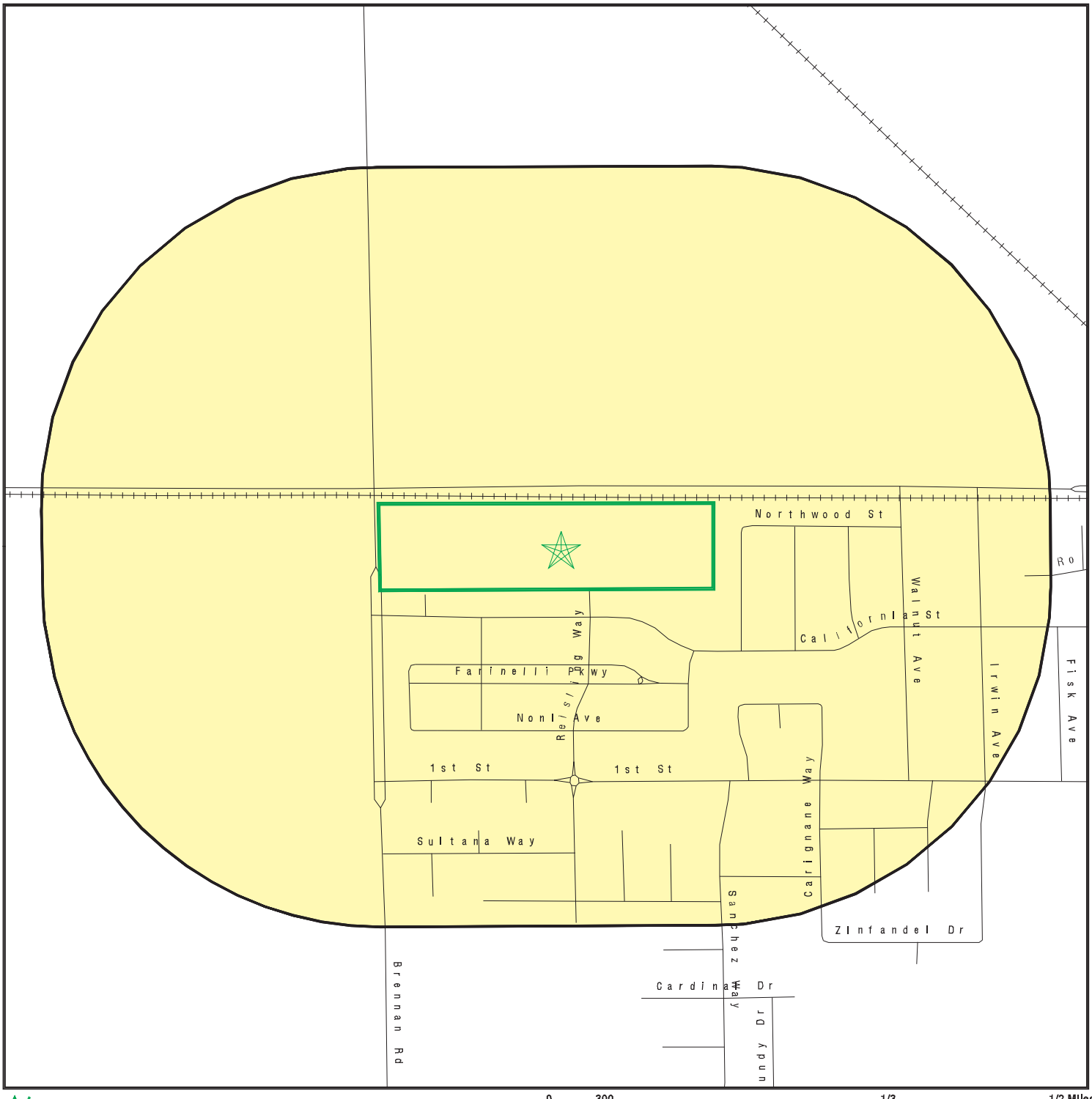
Not Reported

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page

Not Reported

PRIMARY MAP - 7361112.5S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 300 1/3 1/2 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Murphy Ranch	CLIENT: Baez Geotechnical Group
ADDRESS: Brennan Road & Yosemite Avenue Escalon CA 95320	CONTACT: Stefanie Parman
LAT/LONG: 37.79769 / 121.011577	INQUIRY #: 7361112.5s DATE: June 13, 2023 11:57 am

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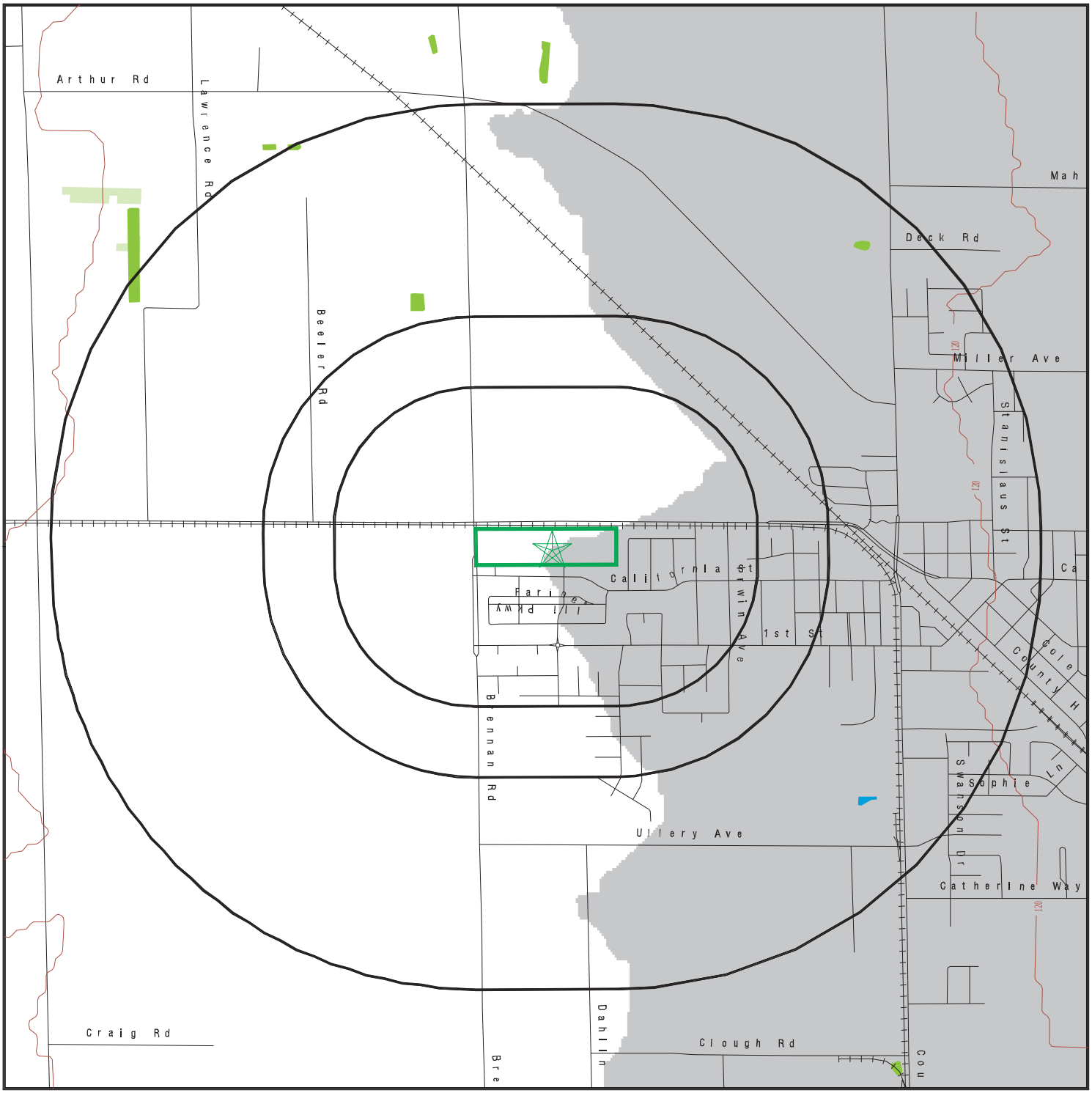
SECONDARY MAP - 7361112.5S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/3 1/2 1 Miles

- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Murphy Ranch	CLIENT:	Baez Geotechnical Group
ADDRESS:	Brennan Road & Yosemite Avenue Escalon CA 95320	CONTACT:	Stefanie Parman
LAT/LONG:	37.79769 / 121.011577	INQUIRY #:	7361112.5s
		DATE:	June 13, 2023 11:55 am

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**			EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range Relative Elevation	(Distance feet / miles) Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:

Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	04/26/2023	05/02/2023	05/17/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/26/2023	05/02/2023	05/17/2023
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	04/26/2023	05/02/2023	05/17/2023
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	03/06/2023	03/09/2023	03/20/2023
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	02/08/2023	02/09/2023	05/02/2023
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/20/2023	02/21/2023	05/02/2023
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/20/2023	02/21/2023	05/02/2023
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/20/2023	03/21/2023	05/30/2023
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/23/2023	01/24/2023	04/10/2023
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/23/2023	01/24/2023	04/10/2023
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	02/06/2023	02/07/2023	04/26/2023
State and tribal leaking storage tank lists						
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/30/2023
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/19/2022	12/06/2022	03/03/2023
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/23/2022	12/06/2022	04/19/2023
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/14/2022	12/06/2022	03/03/2023
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	11/26/2022	12/06/2022	03/03/2023
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	03/06/2023	03/07/2023	05/24/2023
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	02/23/2023	03/07/2023	05/26/2023
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/14/2022	12/06/2022	03/03/2023
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/23/2022	12/06/2022	04/19/2023
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/19/2022	12/06/2022	03/03/2023
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
US	FEMA UST	Underground Storage Tank Listing	FEMA	03/08/2023	03/09/2023	05/30/2023
State and tribal voluntary cleanup sites						
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/23/2023	01/24/2023	04/10/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	03/20/2023	03/21/2023	06/06/2023
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2022	01/12/2023	04/07/2023
US	ROD	Records Of Decision	EPA	04/26/2023	05/02/2023	05/17/2023
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/26/2023	05/02/2023	05/17/2023
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	03/06/2023	03/07/2023	05/24/2023
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	02/03/2023	02/07/2023	04/25/2023
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/13/2023	03/21/2023	05/30/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	01/06/2023	02/02/2023	02/10/2023
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/26/2023	05/02/2023	05/17/2023
US	Delisted NPL	National Priority List Deletions	EPA	04/26/2023	05/02/2023	05/17/2023
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/26/2023	05/02/2023	05/17/2023
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/19/2023	03/21/2023	05/30/2023
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	01/06/2023	02/02/2023	02/10/2023
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	04/06/2023	04/13/2023	04/19/2023
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	02/01/2023	02/14/2023	05/02/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	04/03/2023	04/04/2023	06/09/2023
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/02/2023	02/22/2023	05/17/2023
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	04/26/2023	05/02/2023	05/17/2023
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2021	02/16/2023	05/02/2023
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	01/17/2023	01/18/2023	04/19/2023
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	03/20/2023	04/04/2023	06/09/2023
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	03/15/2023	03/21/2023	05/30/2023
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	02/02/2023	02/28/2023	03/24/2023
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/17/2023	03/17/2023	05/30/2023
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2020	11/30/2022	02/09/2023
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	08/02/2022	10/17/2022	01/04/2023
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	03/20/2023	03/21/2023	06/06/2023
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	12/07/2021	05/09/2022	05/17/2022
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	02/27/2023	02/28/2023	05/17/2023
CA	DRYCLEAN NO SONOMA CO DIST	Norther Sonoma County County Air Pollution Control District	Santa Barbara County Air Pollution Control Di	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN PLACER CO DIST	Placer County Air Quality Management District Drycleaner Fac	Placer County Air Quality Management District	01/16/2018	04/19/2019	05/01/2023
CA	DRYCLEAN BAY AREA DIST	Bay Area Air Quality Management District Drycleaner Facility	Bay Area Air Quality Management District	02/20/2019	05/30/2019	05/01/2023
CA	DRYCLEAN BUTTE CO DIST	Butte County Air Quality Management DistrictDrycleaner Facil	Butte County Air Quality Management District	12/31/2018	04/23/2019	05/01/2023
CA	DRYCLEAN CALAVERAS CO DIST	Calaveras County Environmental Management Agency Drycleaner	Calaveras County Environmental Management Age	06/17/2019	06/19/2019	05/01/2023
CA	DRYCLEAN EAST KERN DIST	Eastern Kern Air Pollution Control District District Dryclea	Eastern Kern Air Pollution Control District	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN GLENN CO DIST	Glenn County Air Pollution Control District Drycleaner Facil	Glenn County Air Pollution Control District	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN GRANT	Grant Recipients List	California Air Resources Board	12/31/2020	02/04/2021	05/01/2023
CA	DRYCLEAN IMPERIAL CO DIST	Imperial County Air Pollution Control District Drycleaner Fa	Imperial County Air Pollution Control Distric	05/14/2019	05/17/2019	05/01/2023
CA	DRYCLEAN LAKE CO DIST	Lake County Air Quality Management District Drycleaner Facil	Lake County Air Quality Management District	04/29/2019	05/07/2019	05/01/2023
CA	DRYCLEAN MENDO CO DIST	Mendocino County Air Quality Management District Drycleaner	Mendocino County Air Quality Management Distr	02/08/2019	05/21/2019	05/01/2023
CA	DRYCLEAN MOJAVE DESERT DIST	Mojave Desert Air Quality Management District Drycleaner Fac	Mojave Desert Air Quality Management District	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN MONTEREY BAY DIST	Monterey Bay Air Quality Management District Drycleaner Faci	Monterey Bay Air Quality Management District	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN NO COAST UNIFIED DIST	North Coast Unified Air Quality Management District Dryclean	North Coast Unified Air Quality Management Di	11/30/2016	04/19/2019	05/01/2023
CA	DRYCLEAN NO SIERRA DIST	Northern Sierra Air Quality Management District Drycleaner F	Northern Sierra Air Quality Management Distri	05/07/2019	05/07/2019	05/01/2023
CA	DRYCLEAN SAN DIEGO CO DIST	San Diego County Air Pollution Control District Drycleaner F	San Diego County Air Pollution Control Distri	02/01/2019	05/01/2019	05/01/2023
CA	DRYCLEAN SACRAMENTO METRO DIST	Sacramento Metropolitan Air Quality Management DistrictDrycl	Sacramento Metropolitan Air Quality Managemen	04/24/2019	04/25/2019	05/01/2023
CA	DRYCLEAN SANTA BARB CO DIST	Santa Barbara County Air Pollution Control District Dryclean	Santa Barbara County Air Pollution Control Di	02/19/2019	04/17/2019	05/01/2023
CA	DRYCLEAN SAN JOAQ VAL DIST	San Joaquin Valley Air Pollution Control District District D	San Joaquin Valley Air Pollution Control Dist	05/01/2019	05/03/2019	05/01/2023
CA	DRYCLEAN SAN LUIS OB CO DIST	San Luis Obispo County Air Pollution Control District Drycle	San Luis Obispo County Air Pollution Control	04/23/2019	04/25/2019	05/01/2023
CA	DRYCLEAN SHASTA CO DIST	Shasta County Air Quality Management District District Drycl	Shasta County Air Quality Management District	04/17/2019	04/19/2019	05/01/2023
CA	DRYCLEAN TEHAMA CO DIST	Tehama County Air Pollution Control District Drycleaner Faci	Tehama County Air Pollution Control District	04/24/2019	04/24/2019	05/01/2023
CA	DRYCLEAN YOLO-SOLANO DIST	Yolo-Solano Air Quality Management District Drycleaner Facil	Yolo-Solano Air Quality Management District	05/31/2019	06/06/2019	05/01/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	DRYCLEAN FEATHER RIVER DIST	Feather River Air Quality Management District Drycleaner Fac	Feather River Air Quality Management District	03/08/2023	03/09/2023	06/05/2023
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	08/27/2021	09/01/2021	11/19/2021
CA	DRYCLEAN VENTURA CO DIST	Drycleaner Facility Listing	Ventura County Air Pollution Control District	04/16/2019	04/17/2019	05/01/2023
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	02/17/2023	02/17/2023	05/09/2023
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	02/23/2023	02/24/2023	05/15/2023
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2020	06/13/2022	08/30/2022
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	01/10/2023	01/18/2023	04/04/2023
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	01/11/2023	01/17/2023	04/04/2023
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	02/06/2023	02/15/2023	05/09/2023
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	11/16/2022	11/22/2022	02/13/2023
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2021	07/05/2022	09/19/2022
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	02/13/2023	02/14/2023	05/08/2023
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	01/03/2023	01/04/2023	03/21/2023
CA	ICE	ICE	Department of Toxic Subsances Control	02/13/2023	02/14/2023	05/08/2023
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	03/06/2023	03/07/2023	03/30/2023
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	02/23/2023	02/24/2023	03/23/2023
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	MINES	Mines Site Location Listing	Department of Conservation	03/06/2023	03/07/2023	05/23/2023
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	01/09/2023	02/28/2023	05/17/2023
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	02/06/2023	02/07/2023	04/28/2023
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	02/27/2023	02/28/2023	05/22/2023
CA	PROC	Certified Processors Database	Department of Conservation	03/06/2023	03/07/2023	03/31/2023
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	03/09/2023	03/10/2023	05/24/2023
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	11/03/2020	11/05/2020	01/26/2021
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/23/2023	01/24/2023	04/10/2023
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	03/06/2023	03/07/2023	03/31/2023
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	03/30/2023	03/30/2023	06/09/2023
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	03/25/2023	03/31/2023	06/09/2023
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	06/07/2023	06/08/2023	06/09/2023
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	03/06/2023	03/07/2023	05/23/2023
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	06/07/2023	06/08/2023	06/09/2023
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	01/05/2023	01/06/2023	01/11/2023
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	01/06/2023	01/06/2023	01/11/2023
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	04/27/2023	04/27/2023	05/02/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	03/06/2023	03/07/2023	05/05/2023
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	03/06/2023	03/07/2023	03/31/2023
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	UXO	Unexploded Ordnance Sites	Department of Defense	11/09/2021	10/20/2022	01/10/2023
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/13/2023	02/14/2023	04/19/2023
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	03/06/2023	03/07/2023	05/24/2023
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	01/05/2023	01/06/2023	01/10/2023
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	04/05/2022	04/05/2022	04/26/2022
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	02/27/2023	02/28/2023	05/17/2023
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	03/26/2023	03/28/2023	05/30/2023
HISTORICAL USE RECORDS						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	12/28/2022	12/28/2022	03/17/2023
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	01/31/2023	02/02/2023	04/19/2023
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	03/17/2023	03/21/2023	06/06/2023
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	04/06/2020	04/23/2020	07/10/2020
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	12/28/2022	01/24/2023	04/10/2023
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	02/13/2023	02/14/2023	05/08/2023
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	08/08/2022	08/09/2022	09/01/2022
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	06/28/2021	12/21/2021	03/03/2022
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	08/12/2021	08/12/2021	11/08/2021
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	01/13/2023	01/17/2023	04/04/2023
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	CUPA KERN	CUPA Facility List	Kern County Public Health	01/30/2023	02/01/2023	04/19/2023
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	01/30/2023	02/01/2023	04/21/2023
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	12/03/2020	01/26/2021	04/14/2021
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	04/26/2023	04/27/2023	05/31/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	07/31/2020	08/21/2020	11/09/2020
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	01/09/2023	01/12/2023	03/29/2023
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	01/09/2023	01/10/2023	03/23/2023
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	12/31/2022	01/12/2023	03/29/2023
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	01/10/2022	01/12/2022	04/04/2022
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	11/01/2022	12/14/2022	03/07/2023
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	11/01/2022	12/14/2022	03/07/2023
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	05/26/2021	07/09/2021	09/29/2021
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	10/18/2022	10/19/2022	01/10/2023
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	08/10/2020	08/12/2020	10/23/2020
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	09/22/2021	11/18/2021	11/22/2021
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	02/15/2022	02/17/2022	05/11/2022
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/22/2021	03/02/2021	05/19/2021
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	10/04/2021	10/06/2021	12/29/2021
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	09/05/2019	09/09/2019	10/31/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	01/23/2023	01/25/2023	04/10/2023
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	02/02/2023	02/09/2023	05/09/2023
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	02/02/2023	02/09/2023	05/04/2023
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	02/06/2023	02/09/2023	05/03/2023
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	08/26/2022	08/29/2022	11/15/2022
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	01/18/2023	01/19/2023	04/04/2023
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	01/18/2023	01/19/2023	04/04/2023
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	11/07/2022	12/21/2022	03/16/2023
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	11/07/2022	12/09/2022	03/01/2023
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	02/08/2023	02/09/2023	05/04/2023
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	02/15/2023	02/15/2023	05/09/2023
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	02/27/2023	02/28/2023	05/17/2023
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	10/27/2021	03/04/2022	05/31/2022
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	07/22/2021	10/19/2021	01/13/2022
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	02/03/2023	02/07/2023	04/26/2023
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	04/28/2023	04/28/2023	05/03/2023
CA	SAN FRANCISCO MAHER	Maher Ordinance Property Listing	San Francisco Planning	10/11/2022	10/14/2022	01/04/2023
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	02/09/2023	02/10/2023	05/05/2023
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	02/20/2020	02/20/2020	04/24/2020
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	02/10/2023	02/10/2023	05/05/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	09/15/2021	09/16/2021	12/09/2021
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	07/02/2021	07/06/2021	07/14/2021
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	06/30/2021	06/30/2021	09/24/2021
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/08/2022	02/10/2022	05/04/2022
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	08/03/2022	08/25/2022	11/14/2022
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	11/17/2022	11/21/2022	02/10/2023
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	01/13/2023	01/17/2023	04/04/2023
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	10/07/2022	10/07/2022	12/21/2022
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	12/27/2022	01/26/2023	04/19/2023
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	12/27/2022	01/26/2023	04/19/2023
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	02/27/2023	03/07/2023	05/24/2023
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	12/19/2022	12/27/2022	03/17/2023
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	01/26/2023	01/27/2023	04/19/2023

STREET AND ADDRESS INFORMATION

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APPENDIX K

Sources of Information and Documentation
ESA Property Owner Questionnaires

RESEARCH DOCUMENTATION

Table 1 – Sources of Information

Company Contact or City, State or other Agency	Document or Organization	Date of Contact or Document	Phone Number or Contact or Reference	Information Sought
Environmental Data Resources, Inc.	Inquiry No. 7361112 for Murphy Ranch Brennan Road and Yosemite Avenue, Escalon, California	June 13, 2023	(800) 352-0050; web.edrnet.com	Regulatory Database Radius Search of Federal, State and Local Agencies, Sanborn Map Search, Aerial Photographs, Topographic Maps, City Directory, Environmental AUL and Lien Search
San Joaquin County, California	Environmental Health Department	July 27, 2023	(209) 468-3420 www.sjgov.org/department/envhealth	Request for records of any AST or UST, contaminant or hazmat files for property addresses and APN.
California State Water Resources Control Board	Underground Storage Tank Cleanup Fund	July 27, 2023	www.waterboards.ca.gov	Request for records of any AST or UST, contaminant or hazmat files for property addresses and APN.
California Department of Toxic Substances Control	Envirostor and DTSC Data Management	July 27, 2023	(916) 255-4159; PubReqAct@dtsc.ca.gov	Request for records of any AST or UST, contaminant or hazmat files for property addresses and APN.
Google Earth©	Google	June 15, 2023	Web application	Historic aerial and recent site photographs of site region.
State of California	GeoTracker Website	July 27, 2023	GeoTracker.com	Listings for leaking USTs or spill information for the site address
State of California	Dept. of Toxic Substances	July 27, 2023	ENVIROSTOR.com	Listings for leaking USTs or spill information for the site address
State of California	California Geological Survey Fault Activity Map	2010	California Geological Survey website – https://maps.conservation.ca.gov/cgs/EQZApp/app/	Official mapping for active fault locations in the State.
State of California	Dept. of Water Resources	Revised 2003, pub. June 1974	Bulletin No. 118	General regional groundwater information for the property region.
State of California	California Division of Mines and Geology	1991	Geologic Map of the San Francisco-San Jose Quadrangle	Regional geologic information.

ASTM E 1527 – 05
PROPERTY OWNER/USER QUESTIONNAIRE

INTRODUCTION

In order to qualify for one of the *Landowner Liability Protections (LLPs)*[35] offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *"Brownfields Amendments"*)[36], the ***user*** must provide the following information (if available) to the ***environmental professional***. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

(1) **Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).**

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state, or local law?

To the best of my knowlege, None

(2) **Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).**

Are you aware of any AULs, such as *engineering controls*, land use restrictions, or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

To the best of my knowledge, None

(3) **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).**

As the *user* of this ESA do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the *property* or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

To the best of my knowledge Property, farming & Livestock

(4) **Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).**

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

To the best of my knoledge, Purchase price is fair Market

(5) **Commonly known or reasonably ascertainable information about the *property* (40 CFR 312.30).**

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as the *user*, do you:

(a) Know the past uses of the *property*? Residential, Dog Training, Farming, Livestock
(b) Know of specific chemicals that are present or once were present at the *property*? N/A
(c) Know of spills or other chemical releases that have taken place at the *property*? N/A
(d) Know of any environmental cleanups that have taken place at the *property*? N/A

(6) **The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).**

As the *user* of this ESA, based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

Property APN 225-04-029 16.11 AC Address _____

Completed By Chester Murphy Signature _____

Relationship to Property Managing Member LLC Date 6/13/2023

[35] *Landowner Liability Protections*, or *LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCD Liability* ("*Common Elements*" Guide) issued on March 6, 2003.

[36] P.L. 107-118.

ASTM E 1527 – 05
PROPERTY OWNER/USER QUESTIONNAIRE

INTRODUCTION

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(2) **Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).**

Are you aware of any AULs, such as *engineering controls*, land use restrictions, or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

To the best of my knowlege, None

(3) **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).**

As the *user* of this ESA do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the *property* or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

To the best of my knowlege, Farming and Livestock

(4) **Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).**

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

To the best of my knowlege, Purchase price is fair Mkt

(5) **Commonly known or reasonably ascertainable information about the *property* (40 CFR 312.30).**

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as the *user*, do you:

(a) Know the past uses of the *property*? Residential, Farming livestock
(b) Know of specific chemicals that are present or once were present at the *property*? N/A
(c) Know of spills or other chemical releases that have taken place at the *property*? N/A
(d) Know of any environmental cleanups that have taken place at the *property*? N/A

(6) **The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).**

As the *user* of this ESA, based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

Property APN 225-04-028 1.86AC Address _____

Completed By Chester Murphy Signature _____

Relationship to Property Managing Member LLC Date 6/13/2023

[35] *Landowner Liability Protections*, or *LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCD Liability* ("*Common Elements*" Guide) issued on March 6, 2003.

[36] P.L. 107-118.

APPENDIX L

Resume for William R. Stevens, PE, GE

RESUME OF QUALIFICATIONS for
WILLIAM R. STEVENS, *ENVIRONMENTAL PROFESSIONAL*

REPRESENTATIVE EXPERIENCE

William R. Stevens has diversified experience in Civil and Geotechnical Engineering and engineering geologic studies in California and other States. He has managed environmental projects, including Phase 1, 2 and 3 Environmental Site Assessments, and provided geotechnical and geologic input for Environmental Impact Reports. He has also developed testing programs and protocols for additional screening for contaminant soil and groundwater assessment, sampling, and groundwater monitoring well design and installation.

Project experience includes assessments at military and industrial sites, commercial sites, and residential developments. Mr. Stevens has more than 35 years of experience in the disciplines of Civil and Geotechnical Engineering.

EDUCATION

University of Virginia, Bachelor of Science in Civil Engineering, 1981
University of Arizona, Master of Science in Geological Engineering, 1985

CERTIFICATIONS

OSHA 29 CFR 1910.120 Hazardous Waste Training (40 hour, with annual 8 hour updates), 1989
Radiation Safety, 1999

PROFESSIONAL REGISTRATIONS

State of California Professional Engineer Civil No. 43010, Geotechnical No. 2339
State of Arizona Professional Engineer Civil No. 41866
State of Hawaii Professional Engineer No. 10347
State of Idaho Civil Engineer No. 010181
State of Nevada Professional Engineer No. 014272
State of Utah Professional Engineer No. 372006-2202

PROFESSIONAL SOCIETIES

American Society of Civil Engineers
American Rock Mechanics Association
Earthquake Engineering Research Institute

APPENDIX F
NOISE REPORT

Environmental Noise Assessment

Murphy Ranch Residential Development

Escalon, California

BAC Job # 2023-086

Prepared For:

NRB Investments, dba Florsheim Homes

John Pronoitis
1701 W. March Ln, Ste D
Stockton, CA 95207

Prepared By:

Bollard Acoustical Consultants, Inc.

Paul Bollard, President

September 8, 2023

BOLLARD
Acoustical Consultants

Introduction

The Murphy Ranch residential development (project) is located in the City of Escalon, California. The project proposes the development of approximately 73 single-family residential units with a common use park. The project site is bordered by a railroad tracks and Yosemite Avenue to the north, Banner Avenue to the west, and existing single-family homes to the south and east. The project area and site plan are provided as Figures 1 and 2, respectively.

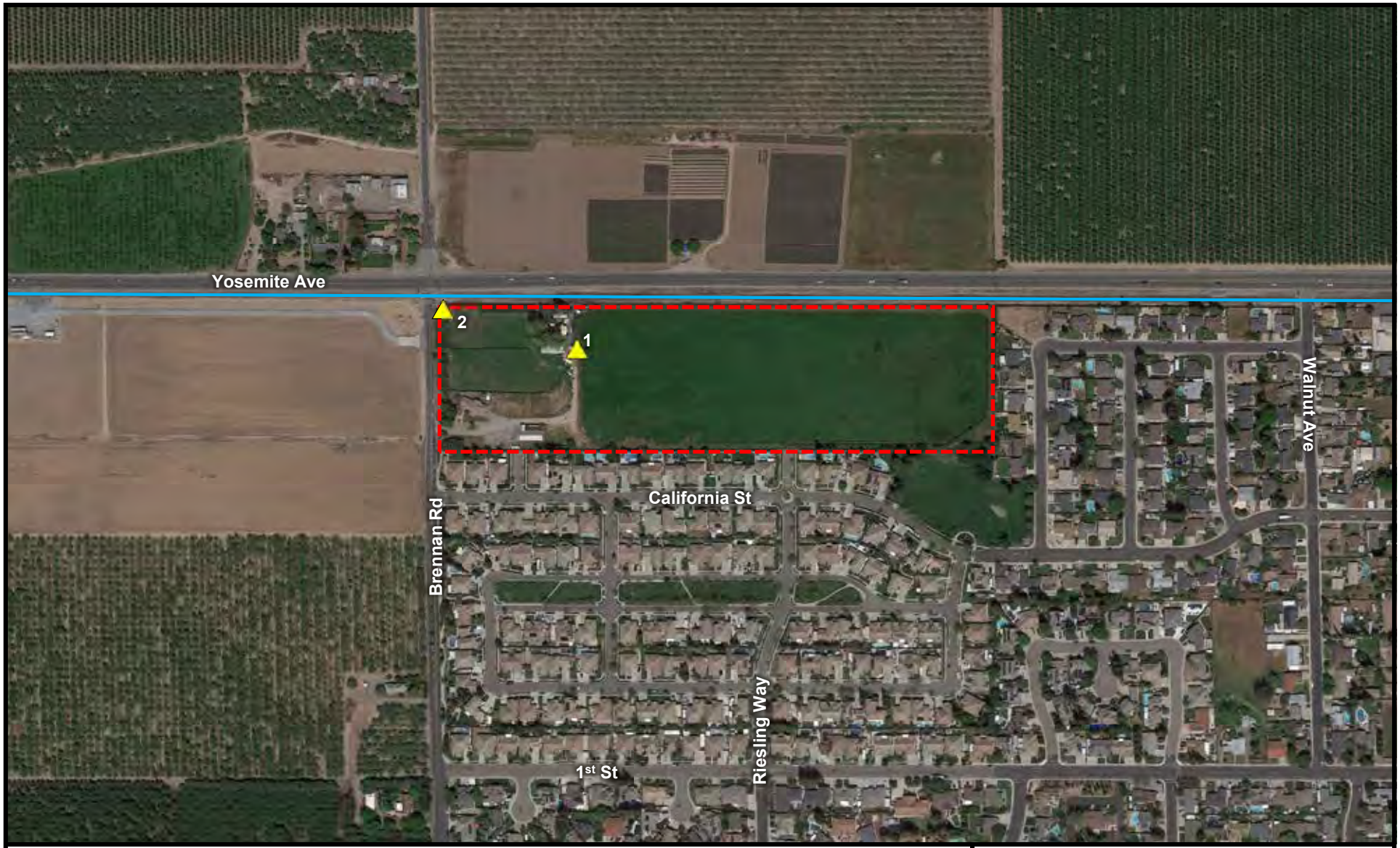
Due to the noise-sensitivity of the proposed residential project and the proximity of the project site to Yosemite Avenue (State Route 120), Banner Avenue, and the railroad branch line, Bollard Acoustical Consultants, Inc. (BAC) was retained by the project applicant to prepare this noise assessment. Specifically, the purposes of this assessment are to quantify noise levels associated with traffic and railroad operations, and to compare those levels against the applicable City of Escalon noise standards for acceptable noise exposure, and to recommend noise mitigation measures where appropriate. This report contains BAC's evaluation.

Noise Fundamentals and Terminology

Noise is often described as unwanted sound. Sound is defined as any pressure variation in air that the human ear can detect. If the pressure variations occur frequently enough (at least 20 times per second), they can be heard, and thus are called sound. Measuring sound directly in terms of pressure would require a very large and awkward range of numbers. To avoid this, the decibel scale was devised. The decibel scale allows a million-fold increase in pressure to be expressed as 120 dB. Another useful aspect of the decibel scale is that changes in levels (dB) correspond closely to human perception of relative loudness. Appendix A contains definitions of Acoustical Terminology. Figure 3 shows common noise levels associated with various sources.

The perceived loudness of sounds is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable, and can be approximated by weighing the frequency response of a sound level meter by means of the standardized A-weighing network. There is a strong correlation between A-weighted sound levels (expressed as dBA) and community response to noise. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment. All noise levels reported in this section are in terms of A-weighted levels in decibels.

Community noise is commonly described in terms of the "ambient" noise level, which is defined as the all-encompassing noise level associated with a given noise environment. A common statistical tool to measure the ambient noise level is the average, or equivalent, sound level (L_{eq}) over a given time period (usually one hour). The L_{eq} is the foundation of the Day-Night Average Level noise descriptor, L_{dn} or DNL, and shows very good correlation with community response to noise.



Legend

- Project Boundary (Approximate)
- UPRR/BNSF Railroad Spur Line
- Ambient Noise Measurement Locations

N

Scale (Feet)

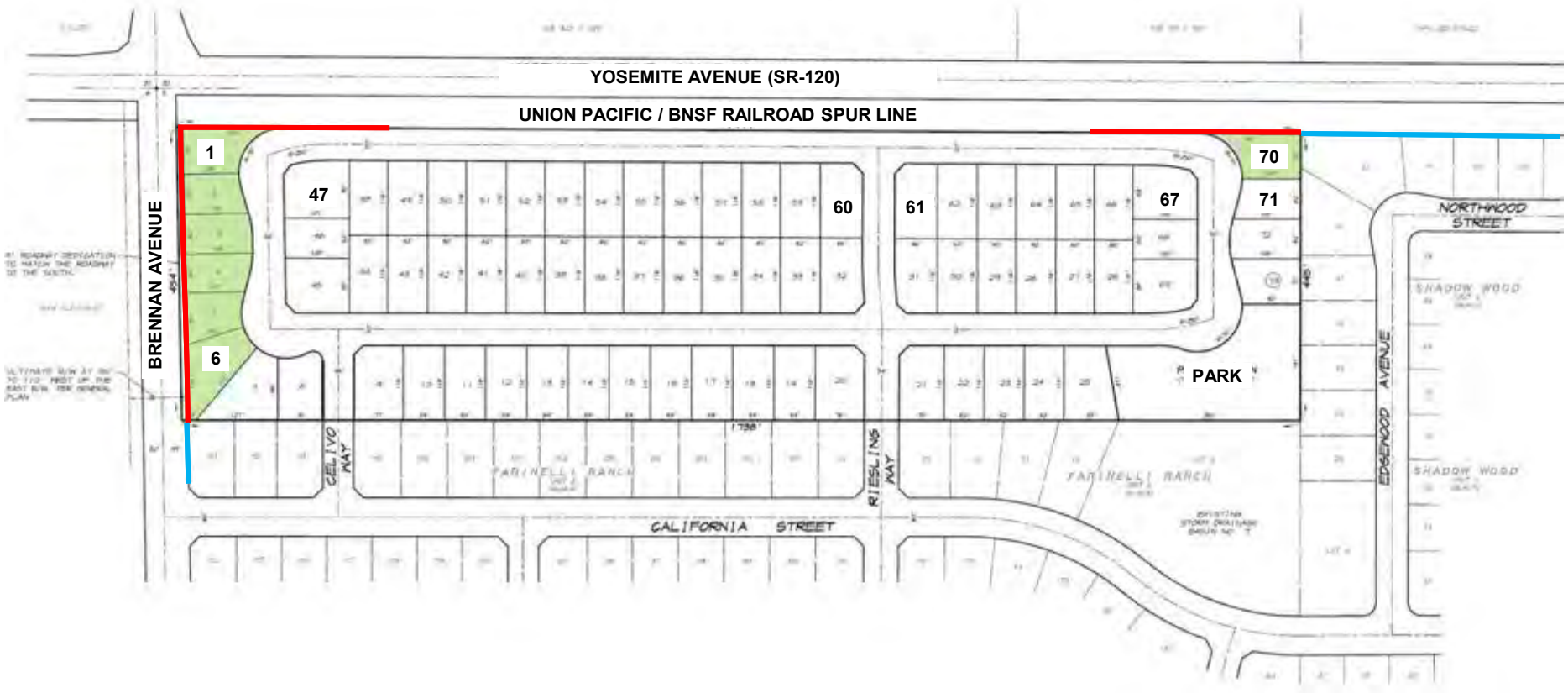
0 200 400

Project Area

Murphy Ranch
Escalon, California

Figure 1

BOLLARD Acoustical Consultants



Legend

- Existing Noise Barriers
- Recommended 6-Foot Tall Noise Barrier
- Recommended Window Assembly Upgrades: STC 32 (Upper-Floors Only)

N

Scale (Feet)

0 100 200

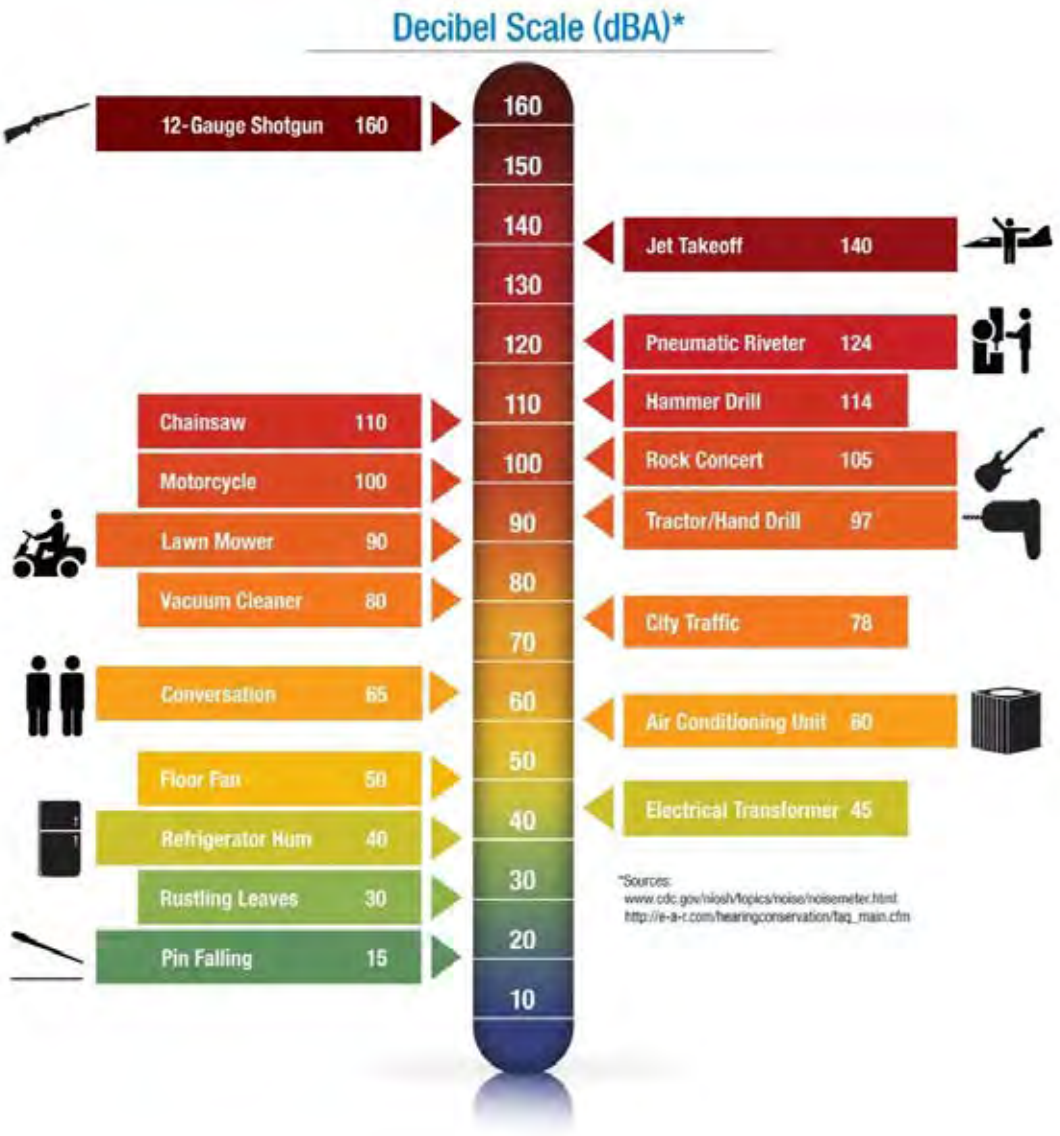
Site Plan

Murphy Ranch
Escalon, California

Figure 2

BOLLARD
Acoustical Consultants

Figure 3
Typical A-Weighted Sound Levels of Common Noise Sources



The Day-Night Average Level (DNL) is based upon the average noise level over a 24-hour day, with a +10-decibel weighting applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. The nighttime penalty is based upon the assumption that people react to nighttime noise exposures as though they were twice as loud as daytime exposures. Because DNL represents a 24-hour average, it tends to disguise short-term variations in the noise environment. DNL-based noise standards are commonly used to assess noise impacts associated with traffic, railroad, and aircraft noise sources.

Criteria for Acceptable Noise Exposure

Escalon General Plan Noise Element

Chapter 1 of the City of Escalon General Plan contains the City's Noise Element. The Noise Element establishes the following policies and standards pertaining to this project:

Policy 1 Areas shall be recognized as noise impacted if exposed to existing or projected future noise levels at the exterior of buildings in excess of 65 dB Ldn (or CNEL).

Policy 2 Noise sensitive land uses should be discouraged in noise impacted areas unless effective mitigation measures are incorporated into the specific design of such projects to reduce exterior noise levels to 65 dB Ldn (or CNEL) or less and 45 dB Ldn (or CNEL) or less within interior living spaces. Noise sensitive land uses include hospitals, residences, schools, churches, and other uses of a similar nature as determined by the Planning Director.

Policy 6 The preferred method of noise control used is thoughtful site design. Secondarily, noise control should be achieved through the use of artificial noise barriers. Site and building design guidelines may include:

a. Noise sensitive land uses should not front onto the primary noise source. Where this is not possible, the narrow portion of the building should face the primary noise source, and the interior layout should locate the most sensitive areas away from the noise source by placing garages, storage facilities, carports or other such areas nearest the noise source.

b. Site design should permit noise to pass around or through a development. This can be achieved by placing the narrow or convex portion of the structure toward the primary noise source.

d. Two-story residential construction should be avoided, where possible, immediately adjacent to arterials or collectors unless an adequate combination of noise attenuation procedures are used.

e. When possible, residential cul-de-sacs should be perpendicular to adjacent arterials or collectors.

Existing Ambient Noise Environment within the Project Vicinity

The existing ambient noise environment at the project site is defined primarily by traffic on Yosemite Avenue (State Route 120) and Banner Avenue, and by intermittent railroad activity on an adjacent railroad branch line to the north. To quantify the existing ambient noise level environment at the project site, BAC conducted a long-term (96-hour) noise level survey from August 3rd through August 7th, 2023 at the locations shown on Figure 1. Long-term noise measurement site LT-1 was selected to quantify noise generated by Yosemite Avenue traffic and railroad operations. LT-2 was selected to quantify noise generated by Banner Avenue traffic and railroad operations. Photographs of the noise survey locations are provided in Appendix B.

Larson-Davis Laboratories (LDL) Model 831 and Model LxT precision integrating sound level meters were used to complete the ambient noise level survey. The meters were calibrated immediately before and after use with an LDL Model CAL200 acoustical calibrator to ensure the accuracy of the measurements. The equipment used meets all pertinent specifications of the American National Standards Institute for Type 1 sound level meters (ANSI S1.4).

The long-term ambient noise level survey results are summarized in Table 1. The detailed results of the ambient noise survey are contained in Appendix C in tabular format and graphically in Appendix D.

Table 1
Summary of Long-Term Noise Survey Measurement Results[1]

				Average Hourly Noise Levels [dBA]			
				Daytime[3]		Nighttime[4]	
Site[2]	Description	Date	DNL [dBA]	Leq	Lmax	Leq	Lmax
LT-1	175' to RR; 230' to Yosemite Ave	8/3/2023	61	54	72	55	78
		8/4/2023	63	54	66	56	72
		8/5/2023	62	54	69	55	71
		8/6/2023	62	54	68	56	71
		8/7/2023	63	55	65	57	72
		Average	**62**	**54**	**68**	**56**	**73**
LT-2	75' to RR; 45' to Brennan Ave	8/3/2023	72	62	82	66	87
		8/4/2023	71	62	78	65	79
		8/5/2023	68	61	80	62	76
		8/6/2023	65	61	79	58	75
		8/7/2023	68	62	75	61	78
		Average	**69**	**61**	**79**	**62**	**79**

Notes
1. Detailed summaries of the noise monitoring results are provided in Appendices C and D.
2. Long-term noise survey locations are identified on Figure 1.
3. Daytime hours: 7:00 a.m. to 10:00 p.m.
4. Nighttime hours: 10:00 p.m. to 7:00 a.m.

Source: Bollard Acoustical Consultants, Inc. (2023)

Table 1 indicates that the measured day-night average noise levels (DNL) at LT-1 averaged 62 dB—below the City's 65 dB DNL exterior noise level standard. The measured DNL at LT-2 averaged 69 dB—above the City's exterior noise level standard. Furthermore, the graphical noise level data, shown in Appendix D, indicates that only one heavy rail train passby was observed during the 96-hour ambient noise survey period. Therefore, the ambient noise level data is primarily driven by roadway traffic.

Evaluation of Future Traffic & Railroad Noise Levels at the Project Site

Methodology & Results

To predict future roadway traffic and railroad noise level exposure at the project site, BAC utilized the long-term ambient data collected at measurement sites LT-1 and LT-2. Specifically, the noise measurement data were projected to the nearest noise-sensitive locations on the project site. Since the UPRR/BNSF railway spur line operations are infrequent, it was conservatively estimated that the future noise level exposure at the project site would be primarily affect by an increase in roadway traffic. Therefore, future traffic volumes on Yosemite Avenue and Banner Avenue were conservatively assumed to increase by 100% in the future, resulting in a 3 dB increase in traffic noise levels relative to measured noise levels.

Future traffic and railroad noise levels were projected to the nearest proposed outdoor activity areas (backyards) and building facades of the development based on a 4.5 dB decrease per doubling of distance from the noise source. The results of those projections at those locations are provided in Table 2. Table 2 also indicates whether noise levels within the outdoor activity areas would exceed the applicable standard, thereby requiring noise mitigation. Finally, Table 2 indicates where additional analysis of interior noise levels would be required.

Table 2
Predicted Future Traffic & Railroad Noise Levels at the Project

Source	Lots[a]	Receiver Location	Offsets [dBA]	Predicted DNL [dBA]	Mitigation or Additional Analysis Required?[d]
Yosemite Ave & RR	1, 70	backyard	-2[b]	69	**Yes**
		1st-floor façade	0	71	**Yes**
		2nd-floor façade	2[c]	73	**Yes**
Yosemite Ave & RR	2, 71	backyard	-5[b]	62	No
		1st-floor façade	-5[b]	62	No
		2nd-floor façade	2[b]	69	**Yes**
Yosemite Ave & RR	47, 67	backyard	-2[b]	66	**Yes**
		1st-floor façade	0	68	**Yes**
		2nd-floor façade	2[c]	70	**Yes**
Yosemite Ave & RR	48 - 66	backyard	-10[b]	55	No
		1st-floor façade	0	67	**Yes**
		2nd-floor façade	2[c]	69	**Yes**
Brennan Ave & RR	1 - 6	backyard	0	71	**Yes**
		1st-floor façade	0	70	**Yes**
		2nd-floor façade	2[c]	72	**Yes**
Yosemite Ave & RR	park	park	-7[b]	53	No

Notes
a. Lots are shown on Figure 2.
b. An offset was applied due to shielding provided by intervening existing and/or proposed buildings.
c. A +2 dB offset was applied at all upper-floor building facades to account for reduced ground absorption of sound at elevated positions.
d. Mitigaiton would be required if backyard noise levels exceed the City's 65 dB DNL exterior noise standard. Additional analysis would be required to ensure that building construction would provide sufficient noise attenuation to satisfy the City's 45 dB DNL interior noise standard.

Source: Bollard Acoustical Consultants, Inc (2023)

Analysis of Future Exterior Noise Exposure at Outdoor Activity Areas

As indicated in Table 2, future traffic noise levels at the proposed primary outdoor activity areas (backyards) are predicted to exceed the 65 dB DNL exterior noise level standard at Lots 1 – 6, and Lot 70. As a result, further consideration of exterior noise mitigation measures would be warranted for the project.

BAC evaluated the effectiveness of noise barriers constructed along residencies nearest to Yosemite Avenue and Brennan Avenue for the purposes of reducing future traffic and railroad noise exposure to a state of compliance with the General Plan exterior noise level standard. Table 3 shows the predicted noise levels at nearest backyards affected by the proposed barriers at various barrier heights.

Table 3
Predicted Future Traffic & Railroad Noise Levels with Noise Barriers

Source	Lots[1]	Barrier Height[2] [ft]	Barrier Offset[3] [dBA]	Predicted DNL [dBA]	Additional Mitigation Required?
Yosemite Ave &	1, 70	6	-6	63	No
RR		7	-8	61	No
		8	-10	59	No
Yosemite Ave &	47, 67	6	-6	60	No
RR		7	-8	58	No
		8	-10	56	No
Brennan Ave &	1 - 6	6	-6	65	No
RR		7	-8	63	No
		8	-10	61	No

Notes
1. Location of barrier is shown on Figure 2.
1. Barrier height is relative to the lot pad elevation.
2. Approximate noise reduction at ground level due to shielding provided by the proposed barrier.

Source: Bollard Acoustical Consultants, Inc (2023)

Table 3 indicates that a minimum 6-foot-tall noise barrier is required for the nearest lots along Yosemite Avenue and Brennan Avenue. Figure 2 shows the location of the required noise barriers.

The noise barriers could take the form of masonry wall, earthen berm, or a combination of the two. A wood (or wood composite) fence would also be a sufficient noise barrier *provided* that the fence slats overlap by a minimum of 2-inches and are screwed to the framing rather than nailed.

Analysis of Future Interior Noise Exposure within Residences

Standard residential construction (stucco siding, STC-27 windows, door weather-stripping, exterior wall insulation, composition plywood roof) typically attenuates exterior noise levels by 25 dB. Table 4 shows that future interior traffic noise levels are predicted to range from 37 to 42 dB DNL at the first-floor building interiors proposed nearest to the roadways including noise attenuation provided by the proposed barriers. Due to reduced ground absorption of sound at elevated positions, exterior noise exposure is estimated to be approximately 2 dB higher at second-floor facades than at first-floor facades. Table 4 shows that the resulting noise levels at the second-floor interiors of the residences nearest to the noise sources are calculated to range from 44 to 48 dB DNL with standard residential construction.

Table 4
Predicted Future Traffic & Railroad Interior Noise Levels with Window Upgrades

Source	Lots[1]	Receiver Location	Total Offsets[2] [dBA]	Predicted DNL w/ Std Construction[3] [dBA]	Recommended STC Rating[4] [dBA]	Resulting Interior DNL [dBA]
Yosemite Ave	1, 70	1st-floor	-6	40	27	40
		2nd-floor	2	48	**32**	43
Yosemite Ave	2, 71	1st-floor	-5	37	27	37
		2nd-floor	2	44	27	44
Yosemite Ave	47, 67	1st-floor	-6	37	27	37
		2nd-floor	2	45	27	45
Yosemite Ave	48 - 66	1st-floor	0	42	27	42
		2nd-floor	2	44	27	44
Brennan Ave	1 - 6	1st-floor	-6	39	27	39
		2nd-floor	2	47	**32**	42

Notes

1. Lots are shown on Figure 2.
2. Total offsets include offset shown in Table 2 (due to intervening buildings and elevated receiver position) and offset due to shielding provided by the proposed barrier(s).
3. A -25 dB offset was as applied for exterior-to-interior noise levels due to standard residential construction (STC 27 with 2 dB margin).
4. Recommended STC Rating is provided with a 2 dB margin.

Source: Bollard Acoustical Consultants, Inc (2023)

Because future exterior traffic noise levels are predicted to exceed 45 dB DNL, upgrades to window and door assemblies would be required to ensure compliance with the City's 45 dB DNL interior noise level standard. Table 4 summarizes the recommended STC rating glazing upgrades and the resulting interior sound level with those upgrades. The recommended window and door assembly upgrades is STC 32 for the upper floors, depending on the proximity of the residential facades to noise sources and the degree of shielding provided.

The specific recommendations for window and door assembly Sound Transmission Class (STC) ratings are illustrated on Figure 2. At the first-floor building facades, and at second-floor building facades further removed from roadway and railroad without an annotated STC rating recommendation on Figure 2, standard STC 27 window and door assemblies would provide the necessary exterior to interior noise reduction to achieve satisfaction with the City's 45 dB DNL standard.

It should be noted that, while the STC ratings recommended include a 2 dB margin of safety. To increase the margin of safety, higher STC rated windows may be used and careful workmanship should be required during window installation to ensure the windows fit correctly within the frames with no gaps or acoustic leaks.

It should be noted that mechanical ventilation (air conditioning) will be provided for all residences in this development to allow the occupants to close doors and windows as desired to achieve additional acoustical isolation.

Conclusions

Without additional mitigation measures, future traffic and railroad noise levels are predicted to exceed the City of Escalon exterior and interior noise level standard at some locations within this development. In order to satisfy the City of Escalon 65 dB DNL exterior and 45 dB DNL interior noise level criteria, the following noise mitigation are recommended for the project:

1. Upgraded windows with STC ratings would be required on the second-floor as indicated in Table 4 and as shown on Figure 2 of this report. This applies only to second-floor windows on the lots highlighted in Figure 2, from which either Brennan Avenue or Yosemite Avenue would be visible.

2. A suitable form of forced-air mechanical ventilation or air-conditioning shall be provided so that windows can be kept closed as desired for additional acoustical isolation.

3. A minimum 6-foot-tall noise barrier should be constructed as shown on Figure 2. The noise barrier height shown is relative to the backyard elevation.

These conclusions are based on the measured traffic and railroad noise levels, and on noise reduction data for standard residential dwellings. Deviations from the project site plan shown in Figure 2 could cause future traffic noise levels to differ from those predicted in this analysis. In addition, BAC is not responsible for degradation in acoustic performance of the residential construction due to poor construction practices, failure to comply with applicable building code requirements, or for failure to adhere to the minimum building practices cited in this report.

This concludes BAC's noise evaluation for the Murphy Ranch residential development project in Escalon, California. Please contact BAC at (530) 537-2328 or paulb@bacnoise.com with any questions regarding this assessment.

Appendix A
Acoustical Terminology

Acoustics The science of sound.

Ambient Noise The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.

Attenuation The reduction of an acoustic signal.

A-Weighting A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.

Decibel or dB Fundamental unit of sound. A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.

CNEL Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by a factor of three and nighttime hours weighted by a factor of 10 prior to averaging.

Frequency The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz.

IIC Impact Insulation Class (IIC): A single-number representation of a floor/ceiling partition's impact generated noise insulation performance. The field-measured version of this number is the FIIC.

L_{dn} Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.

L_{eq} Equivalent or energy-averaged sound level.

L_{max} The highest root-mean-square (RMS) sound level measured over a given period of time.

Loudness A subjective term for the sensation of the magnitude of sound.

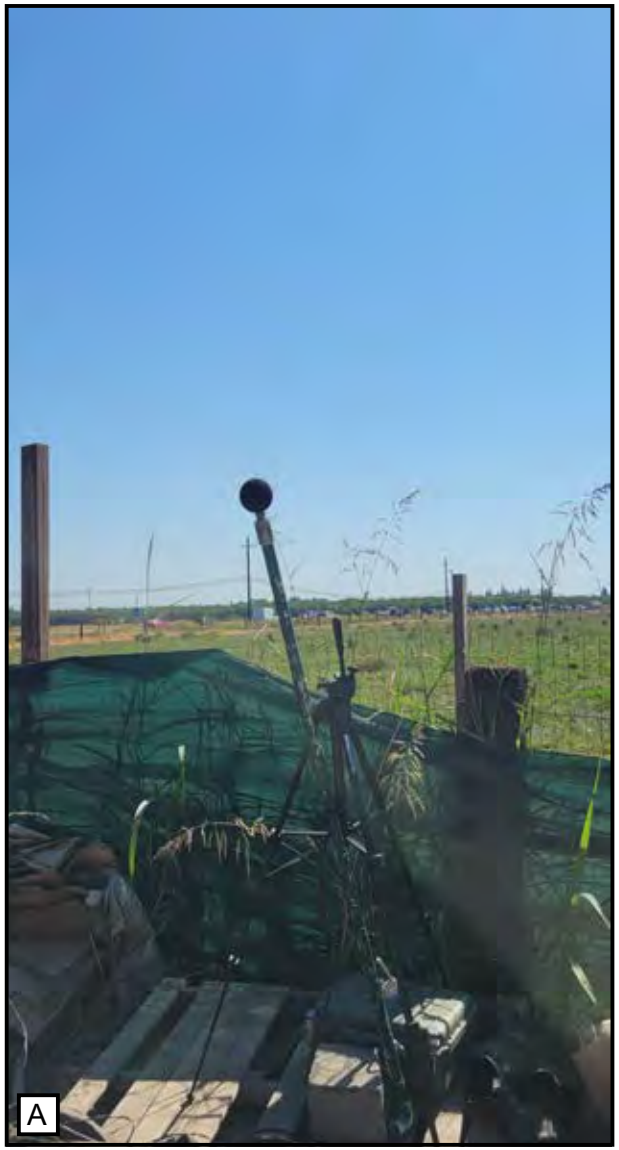
Masking The amount (or the process) by which the threshold of audibility is for one sound is raised by the presence of another (masking) sound.

Noise Unwanted sound.

Peak Noise The level corresponding to the highest (not RMS) sound pressure measured over a given period of time. This term is often confused with the "Maximum" level, which is the highest RMS level.

RT_{60} The time it takes reverberant sound to decay by 60 dB once the source has been removed.

STC Sound Transmission Class (STC): A single-number representation of a partition's noise insulation performance. This number is based on laboratory-measured, 16-band (1/3-octave) transmission loss (TL) data of the subject partition. The field-measured version of this number is the FSTC.







Legend

A Site LT-1 Facing Northeast

B Site LT-1 Facing Southeast

C Site LT-2 Facing East

Noise Survey Photographs

Murphy Ranch
Escalon, California

Appendix B

BOLLARD Acoustical Consultants

Appendix C-1
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Thursday, August 3, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM				
1:00 AM				
2:00 AM				
3:00 AM				
4:00 AM				
5:00 AM				
6:00 AM				
7:00 AM				
8:00 AM				
9:00 AM				
10:00 AM				
11:00 AM				
12:00 PM				
1:00 PM				
2:00 PM				
3:00 PM				
4:00 PM				
5:00 PM				
6:00 PM	55	72	54	50
7:00 PM	54	70	53	47
8:00 PM	53	76	52	46
9:00 PM	53	68	52	47
10:00 PM	53	74	50	45
11:00 PM	57	81	50	43

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	55	53	54	57	53	55
Lmax (Maximum)	76	68	72	81	74	78
L50 (Median)	54	52	53	50	50	50
L90 (Background)	50	46	48	45	43	44

Computed DNL, dB	61
% Daytime Energy	55%
% Nighttime Energy	45%

GPS Coordinates
37°47'52.65"N
121° 0'48.17"W

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Appendix C-2
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Friday, August 4, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM	60	90	47	42
1:00 AM	50	68	45	40
2:00 AM	53	68	49	39
3:00 AM	55	71	52	45
4:00 AM	55	65	54	48
5:00 AM	57	66	56	52
6:00 AM	59	81	57	53
7:00 AM	56	66	56	51
8:00 AM	55	67	54	50
9:00 AM	53	64	52	48
10:00 AM	53	65	52	48
11:00 AM	53	65	52	48
12:00 PM	53	62	52	49
1:00 PM	52	63	52	48
2:00 PM	53	67	52	48
3:00 PM	53	62	53	50
4:00 PM	53	66	53	49
5:00 PM	54	68	53	49
6:00 PM	54	68	53	49
7:00 PM	55	69	54	49
8:00 PM	55	72	53	49
9:00 PM	56	68	55	51
10:00 PM	56	69	55	50
11:00 PM	55	69	52	46

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	56	52	54	60	50	56
Lmax (Maximum)	72	62	66	90	65	72
L50 (Median)	56	52	53	57	45	52
L90 (Background)	51	48	49	53	39	46

Computed DNL, dB	63
% Daytime Energy	50%
% Nighttime Energy	50%

GPS Coordinates
37°47'52.65"N
121° 0'48.17"W

BOLLARD
Acoustical Consultants

Appendix C-3
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Saturday, August 5, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM	53	65	51	43
1:00 AM	51	71	47	39
2:00 AM	50	71	47	39
3:00 AM	52	70	49	39
4:00 AM	55	73	52	45
5:00 AM	56	67	55	50
6:00 AM	57	67	56	51
7:00 AM	57	76	55	49
8:00 AM	54	66	52	47
9:00 AM	53	66	53	49
10:00 AM	53	74	52	48
11:00 AM	52	65	51	47
12:00 PM	52	64	52	47
1:00 PM	52	66	51	48
2:00 PM	52	64	51	47
3:00 PM	53	66	52	48
4:00 PM	53	68	53	48
5:00 PM	54	70	53	48
6:00 PM	55	67	54	49
7:00 PM	55	68	54	49
8:00 PM	55	72	54	49
9:00 PM	56	77	53	48
10:00 PM	56	68	55	49
11:00 PM	60	87	55	49

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	57	52	54	60	50	55
Lmax (Maximum)	77	64	69	87	65	71
L50 (Median)	55	51	53	56	47	52
L90 (Background)	49	47	48	51	39	45

Computed DNL, dB	62
% Daytime Energy	54%
% Nighttime Energy	46%

GPS Coordinates
37°47'52.65"N
121° 0'48.17"W

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Appendix C-4
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Sunday, August 6, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM	55	73	51	44
1:00 AM	54	73	48	40
2:00 AM	50	63	46	39
3:00 AM	53	75	47	38
4:00 AM	52	66	49	41
5:00 AM	55	66	53	48
6:00 AM	55	70	52	46
7:00 AM	52	64	51	45
8:00 AM	52	70	50	45
9:00 AM	53	69	52	48
10:00 AM	53	68	52	48
11:00 AM	53	67	53	49
12:00 PM	53	70	52	48
1:00 PM	54	65	53	50
2:00 PM	54	73	53	49
3:00 PM	55	68	54	50
4:00 PM	54	67	53	49
5:00 PM	54	68	53	48
6:00 PM	54	69	53	49
7:00 PM	55	67	54	50
8:00 PM	55	68	54	50
9:00 PM	54	66	53	48
10:00 PM	54	65	53	47
11:00 PM	62	88	51	45

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	55	52	54	62	50	56
Lmax (Maximum)	73	64	68	88	63	71
L50 (Median)	54	50	53	53	46	50
L90 (Background)	50	45	48	48	38	43

Computed DNL, dB	62
% Daytime Energy	51%
% Nighttime Energy	49%

GPS Coordinates
37°47'52.65"N
121° 0'48.17"W

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Appendix C-5
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Monday, August 7, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM	53	74	48	42
1:00 AM	52	68	46	39
2:00 AM	55	78	49	43
3:00 AM	58	72	55	46
4:00 AM	58	70	57	52
5:00 AM	60	70	59	54
6:00 AM	59	69	58	54
7:00 AM	58	65	57	53
8:00 AM	54	64	53	48
9:00 AM	51	65	49	44
10:00 AM				
11:00 AM				
12:00 PM				
1:00 PM				
2:00 PM				
3:00 PM				
4:00 PM				
5:00 PM				
6:00 PM				
7:00 PM				
8:00 PM				
9:00 PM				
10:00 PM				
11:00 PM				

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	58	51	55	60	52	57
Lmax (Maximum)	65	64	65	78	68	72
L50 (Median)	57	49	53	59	46	53
L90 (Background)	53	44	48	54	39	47

Computed DNL, dB	63
% Daytime Energy	51%
% Nighttime Energy	49%

GPS Coordinates
37°47'52.65"N
121° 0'48.17"W

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Appendix C-6
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Thursday, August 3, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM				
1:00 AM				
2:00 AM				
3:00 AM				
4:00 AM				
5:00 AM				
6:00 AM				
7:00 AM				
8:00 AM				
9:00 AM				
10:00 AM				
11:00 AM				
12:00 PM				
1:00 PM				
2:00 PM				
3:00 PM				
4:00 PM				
5:00 PM	63	85	60	55
6:00 PM	63	88	60	52
7:00 PM	63	88	58	50
8:00 PM	60	76	57	48
9:00 PM	58	73	56	48
10:00 PM	58	77	52	45
11:00 PM	68	98	51	44

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	63	58	62	68	58	66
Lmax (Maximum)	88	73	82	98	77	87
L50 (Median)	60	56	58	52	51	52
L90 (Background)	55	48	51	45	44	44

Computed DNL, dB	72
% Daytime Energy	40%
% Nighttime Energy	60%

GPS Coordinates
37°47'53.64"N
121° 0'53.42"W

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Acoustical Consultants

Appendix C-7
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Friday, August 4, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM	73	104	46	40
1:00 AM	53	70	44	39
2:00 AM	56	76	49	39
3:00 AM	58	73	54	45
4:00 AM	61	74	58	49
5:00 AM	62	80	60	53
6:00 AM	64	87	61	55
7:00 AM	63	76	62	55
8:00 AM	62	79	61	53
9:00 AM	63	79	61	53
10:00 AM	61	73	59	51
11:00 AM	62	79	60	53
12:00 PM	61	79	60	53
1:00 PM	61	78	59	53
2:00 PM	62	81	60	53
3:00 PM	61	76	60	55
4:00 PM	62	80	60	55
5:00 PM	62	79	60	54
6:00 PM	61	77	60	52
7:00 PM	60	72	59	52
8:00 PM	60	76	58	51
9:00 PM	61	82	58	52
10:00 PM	59	74	56	48
11:00 PM	57	74	53	46

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	63	60	62	73	53	65
Lmax (Maximum)	82	72	78	104	70	79
L50 (Median)	62	58	60	61	44	53
L90 (Background)	55	51	53	55	39	46

Computed DNL, dB	71
% Daytime Energy	43%
% Nighttime Energy	57%

GPS Coordinates
37°47'53.64"N
121° 0'53.42"W

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Appendix C-8
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Saturday, August 5, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM	56	71	52	44
1:00 AM	54	71	48	41
2:00 AM	54	74	46	41
3:00 AM	54	72	47	39
4:00 AM	57	72	52	44
5:00 AM	60	76	56	48
6:00 AM	60	74	58	49
7:00 AM	62	86	60	48
8:00 AM	61	74	59	50
9:00 AM	61	78	60	52
10:00 AM	62	87	59	52
11:00 AM	61	79	59	53
12:00 PM	61	80	59	51
1:00 PM	62	89	58	51
2:00 PM	60	74	58	51
3:00 PM	60	72	59	51
4:00 PM	61	81	59	51
5:00 PM	62	84	59	49
6:00 PM	61	78	59	51
7:00 PM	60	75	59	50
8:00 PM	60	78	58	50
9:00 PM	63	90	58	49
10:00 PM	59	75	57	49
11:00 PM	69	102	56	48

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	63	60	61	69	54	62
Lmax (Maximum)	90	72	80	102	71	76
L50 (Median)	60	58	59	58	46	52
L90 (Background)	53	48	51	49	39	45

Computed DNL, dB	68
% Daytime Energy	61%
% Nighttime Energy	39%

GPS Coordinates
37°47'53.64"N
121° 0'53.42"W

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Appendix C-9
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Sunday, August 6, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM	57	77	52	44
1:00 AM	57	83	48	42
2:00 AM	53	69	46	42
3:00 AM	54	70	47	42
4:00 AM	55	73	49	42
5:00 AM	57	71	53	46
6:00 AM	58	74	54	47
7:00 AM	59	72	56	47
8:00 AM	60	75	58	47
9:00 AM	61	83	59	51
10:00 AM	60	75	59	52
11:00 AM	61	77	60	54
12:00 PM	61	80	59	53
1:00 PM	62	83	60	54
2:00 PM	61	75	59	52
3:00 PM	61	71	60	53
4:00 PM	61	81	60	53
5:00 PM	60	77	59	50
6:00 PM	65	95	59	51
7:00 PM	61	81	59	52
8:00 PM	61	83	59	52
9:00 PM	59	73	58	50
10:00 PM	59	74	57	51
11:00 PM	61	88	53	50

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	65	59	61	61	53	58
Lmax (Maximum)	95	71	79	88	69	75
L50 (Median)	60	56	59	57	46	51
L90 (Background)	54	47	51	51	42	45

Computed DNL, dB	65
% Daytime Energy	79%
% Nighttime Energy	21%

GPS Coordinates
37°47'53.64"N
121° 0'53.42"W

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Appendix C-10
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Monday, August 7, 2023

Hour	Leq	Lmax	L50	L90
12:00 AM	55	75	51	49
1:00 AM	57	81	51	49
2:00 AM	57	72	52	49
3:00 AM	61	78	57	50
4:00 AM	64	92	60	53
5:00 AM	63	76	63	57
6:00 AM	63	75	62	57
7:00 AM	63	76	61	55
8:00 AM	62	74	60	51
9:00 AM	60	75	58	48
10:00 AM				
11:00 AM				
12:00 PM				
1:00 PM				
2:00 PM				
3:00 PM				
4:00 PM				
5:00 PM				
6:00 PM				
7:00 PM				
8:00 PM				
9:00 PM				
10:00 PM				
11:00 PM				

	Statistical Summary					
	Daytime (7 a.m. - 10 p.m.)			Nighttime (10 p.m. - 7 a.m.)		
	High	Low	Average	High	Low	Average
Leq (Average)	63	60	62	64	55	61
Lmax (Maximum)	76	74	75	92	72	78
L50 (Median)	61	58	60	63	51	56
L90 (Background)	55	48	51	57	49	52

Computed DNL, dB	68
% Daytime Energy	65%
% Nighttime Energy	35%

GPS Coordinates
37°47'53.64"N
121° 0'53.42"W

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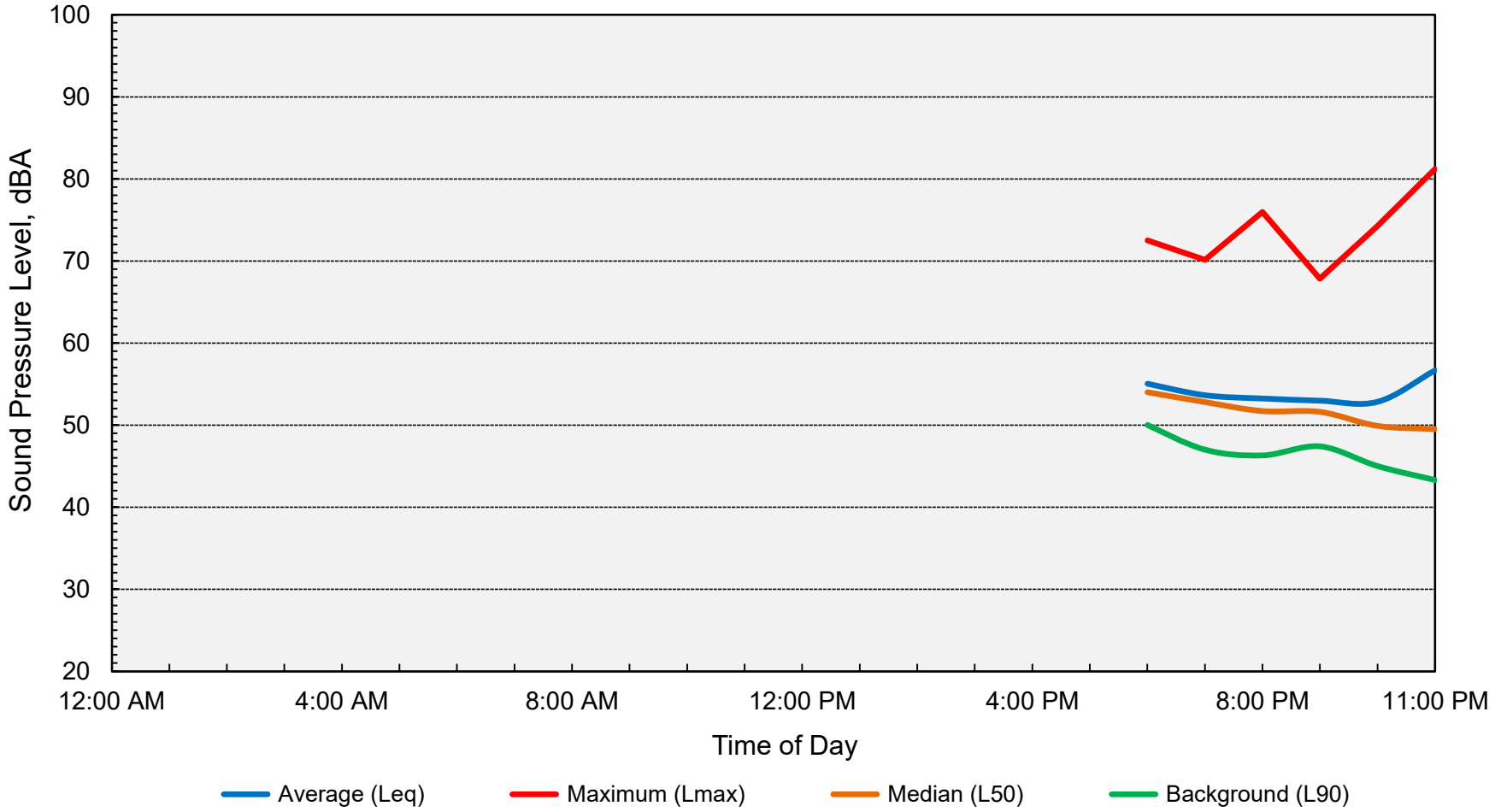
Appendix D-1
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Thursday, August 3, 2023



Computed DNL = 61 dB

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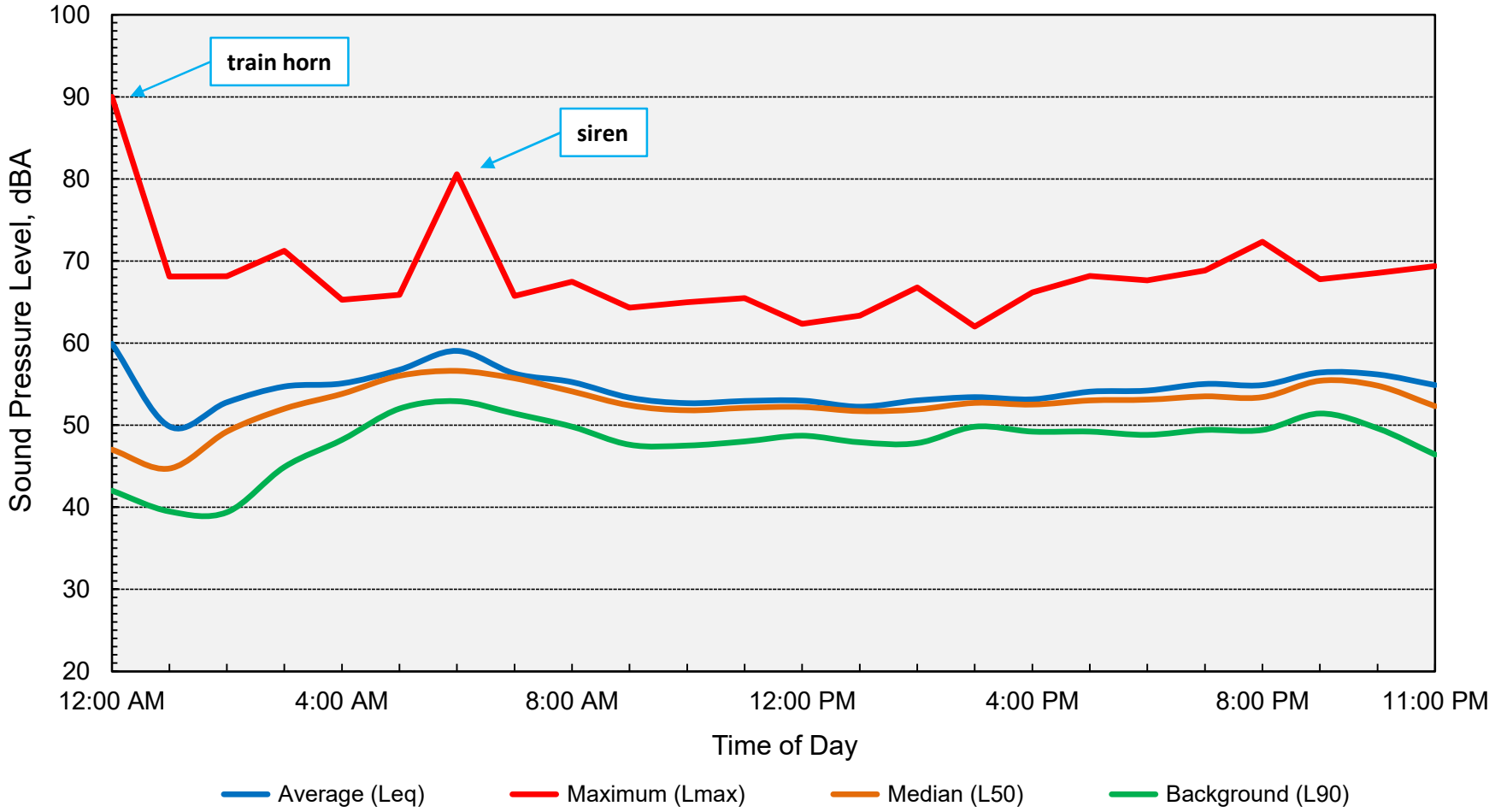
Appendix D-2
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Friday, August 4, 2023



Computed DNL = 63 dB

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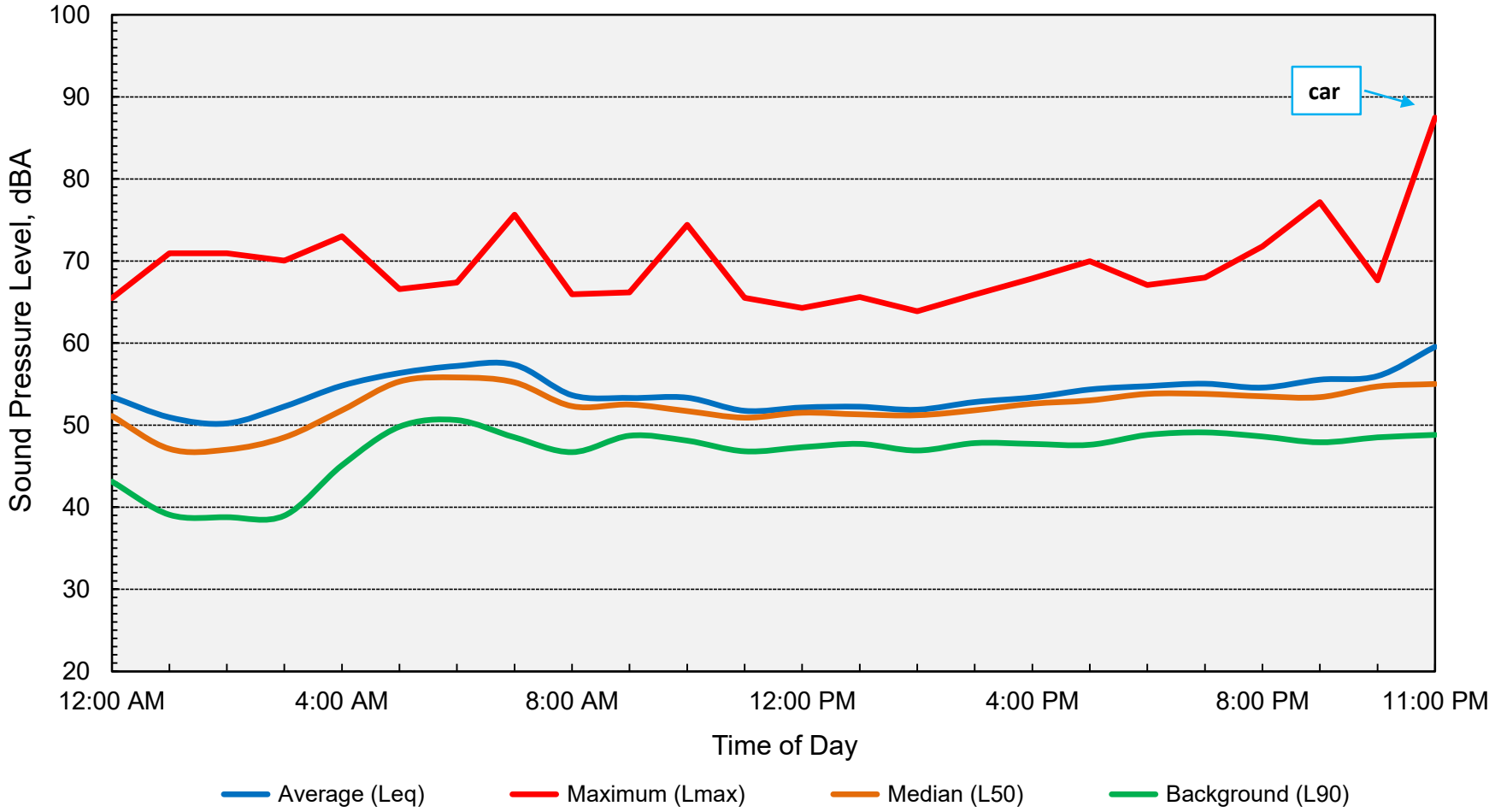
Appendix D-3
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Saturday, August 5, 2023



Computed DNL = 62 dB

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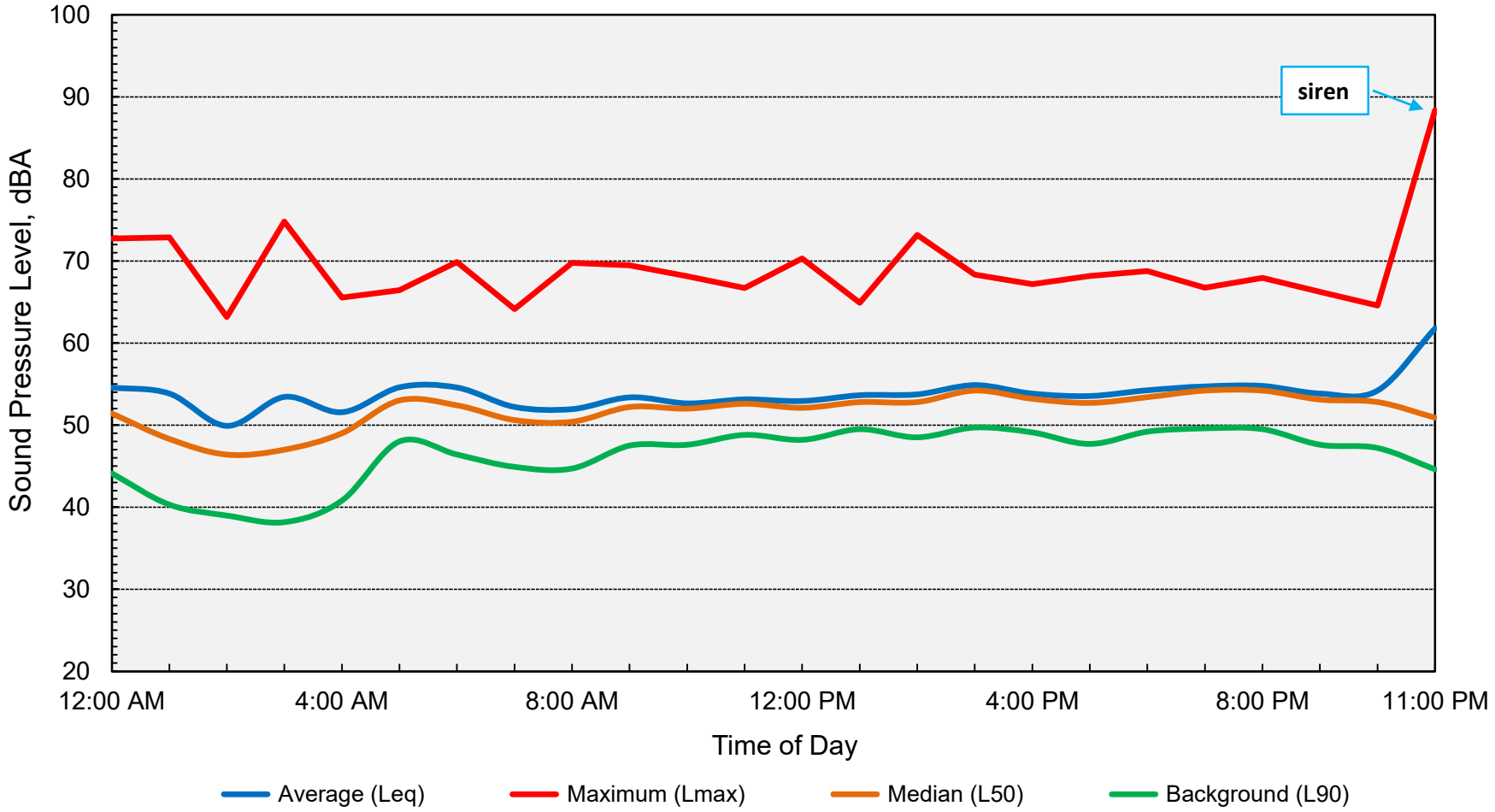
Appendix D-4
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Sunday, August 6, 2023



Computed DNL = 62 dB

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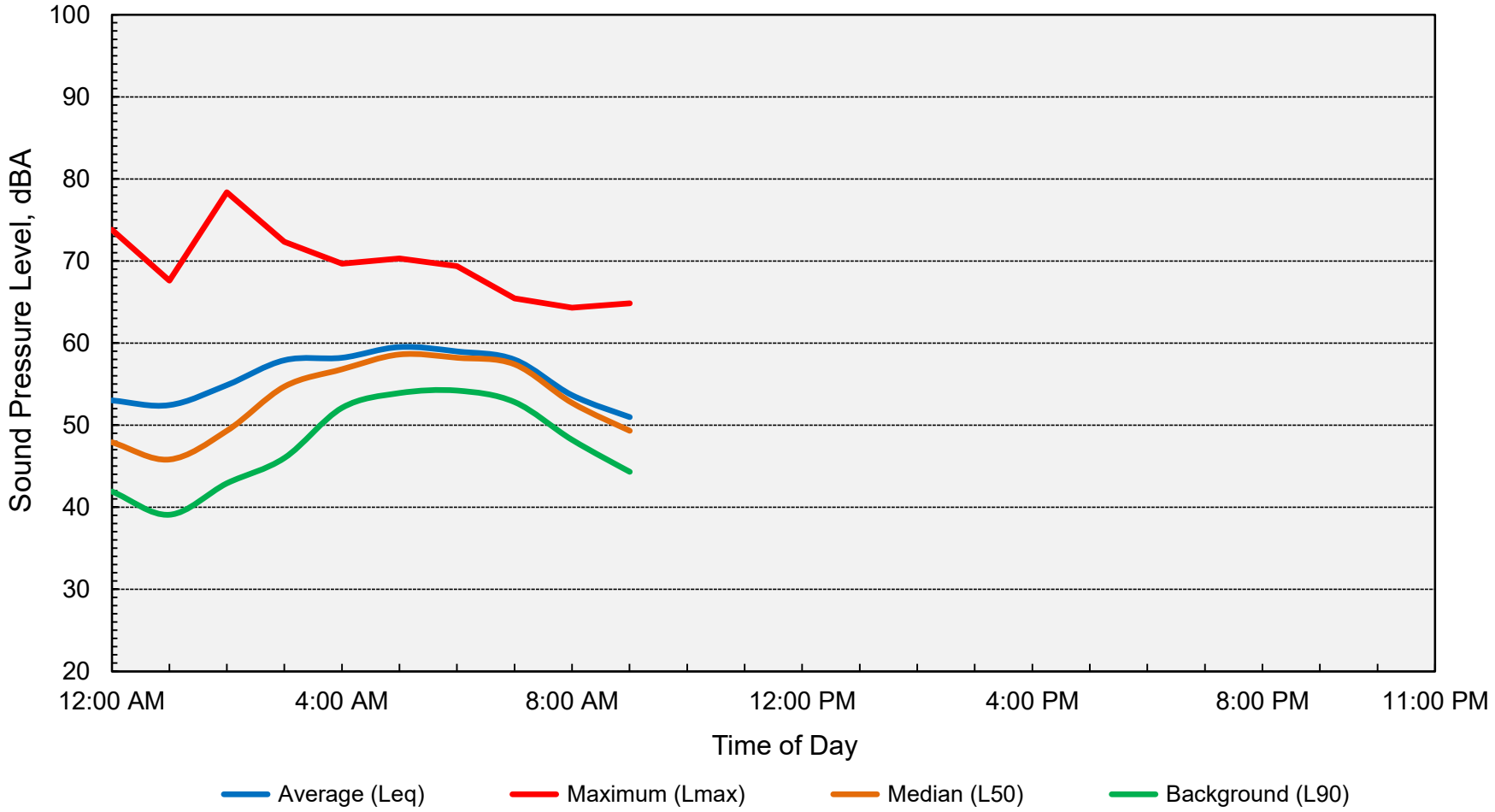
Appendix D-5
Long-Term Ambient Noise Monitoring Results, LT-1
Murphy Ranch - Escalon, California
Monday, August 7, 2023



Computed DNL = 63 dB

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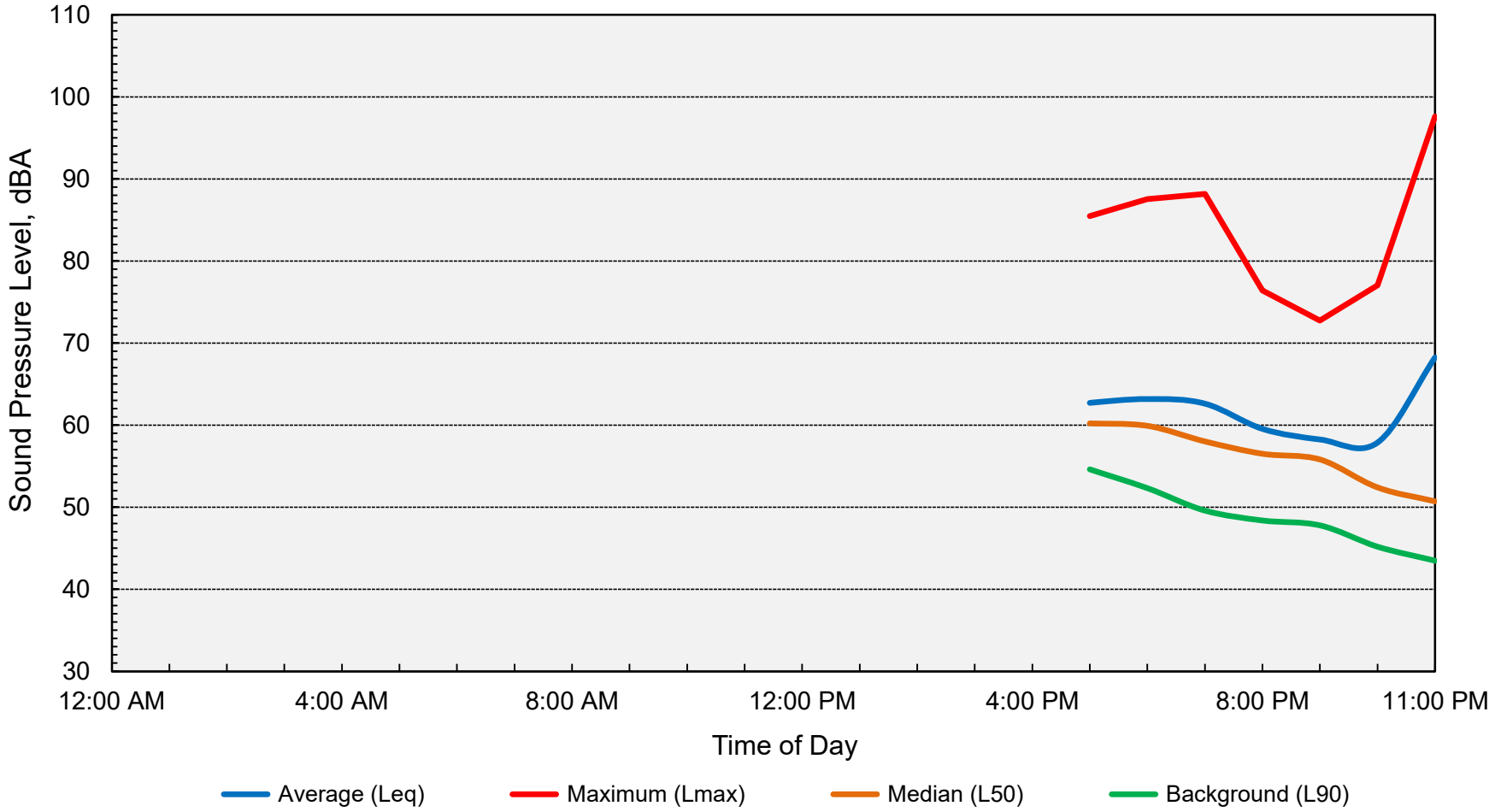
Appendix D-6
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Thursday, August 3, 2023



Computed DNL = 72 dB

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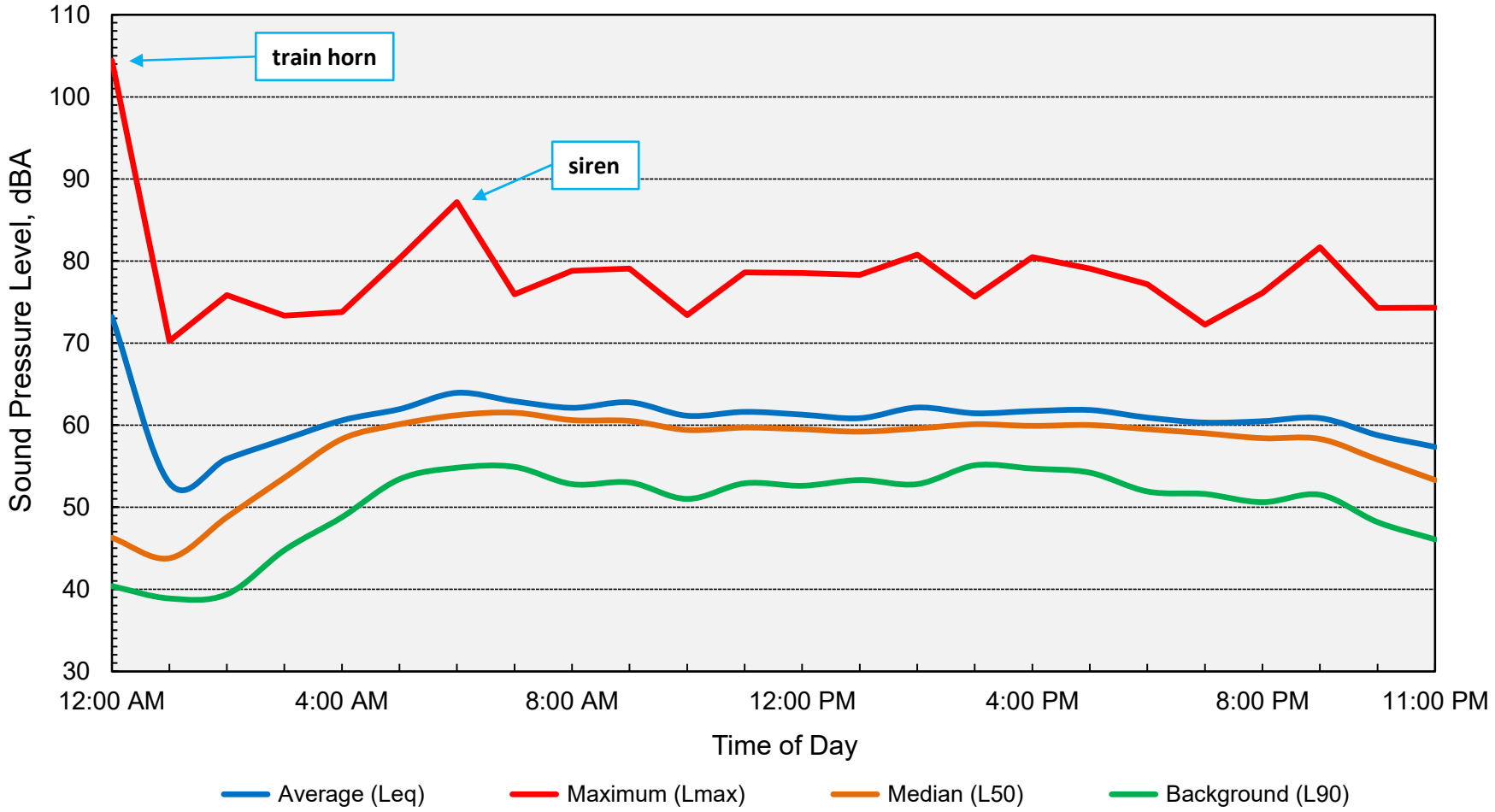
Appendix D-7
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Friday, August 4, 2023



Computed DNL = 71 dB

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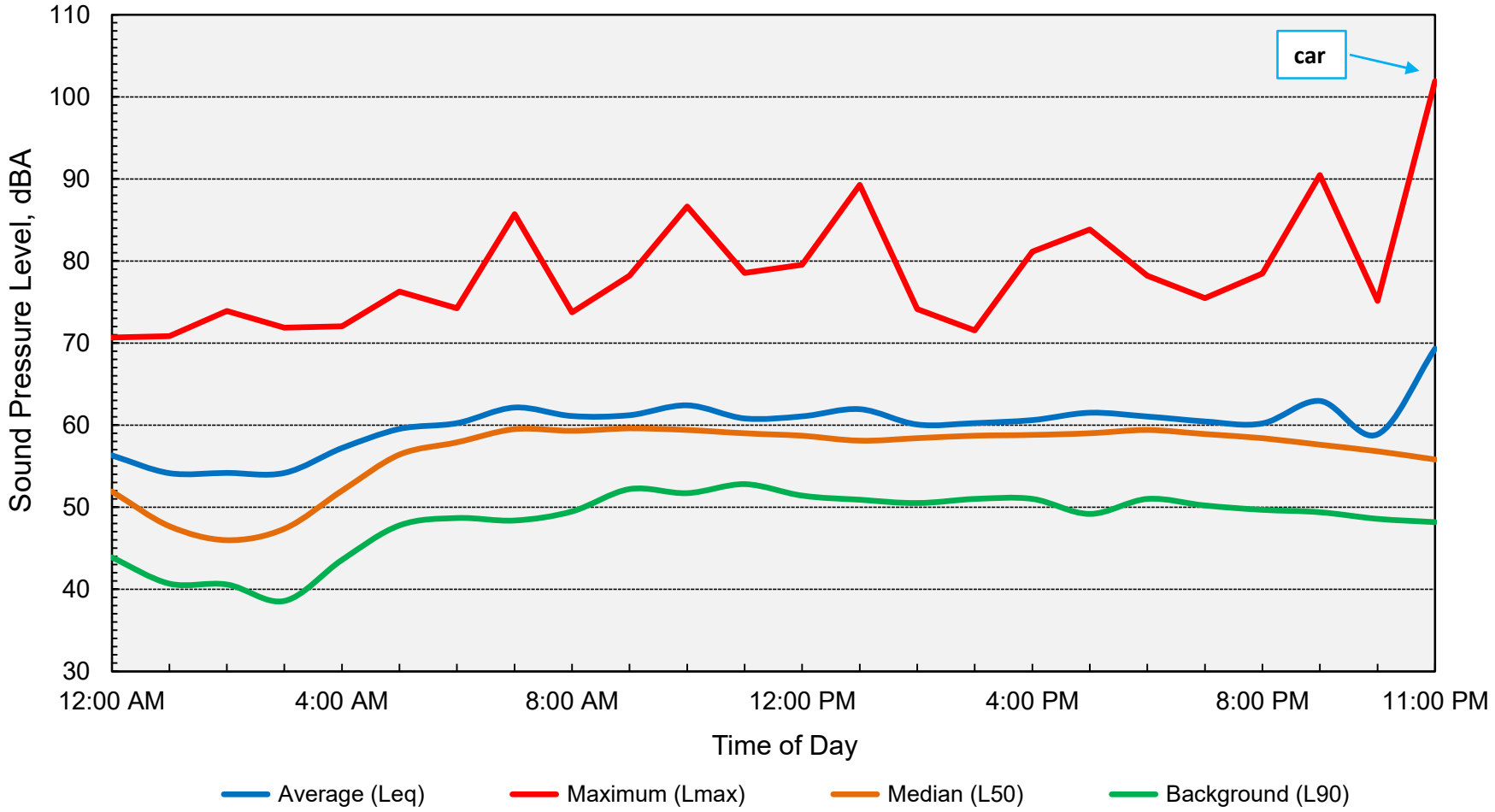
Appendix D-8
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Saturday, August 5, 2023



Computed DNL = 68 dB

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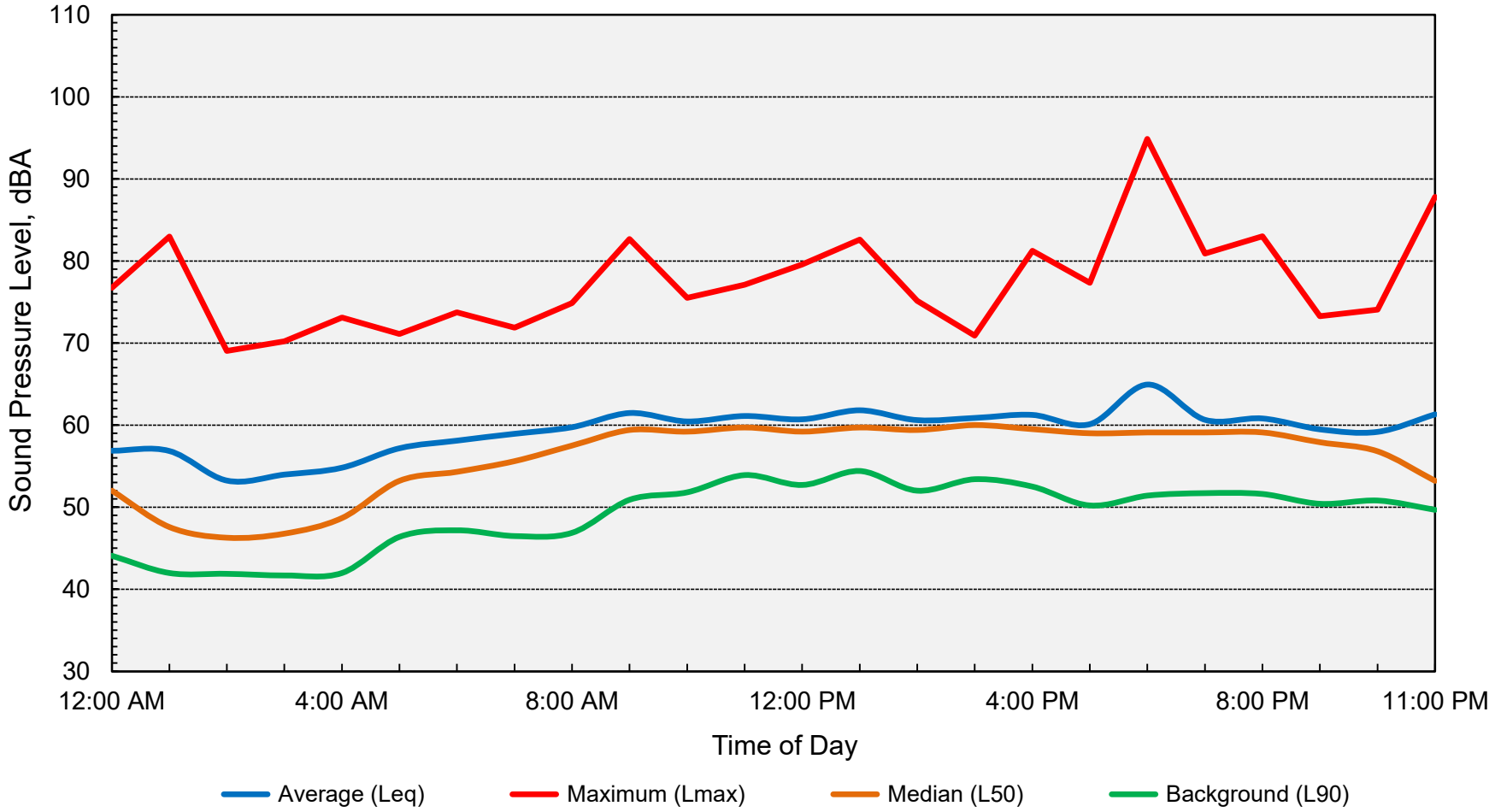
Appendix D-9
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Sunday, August 6, 2023



Computed DNL = 65 dB

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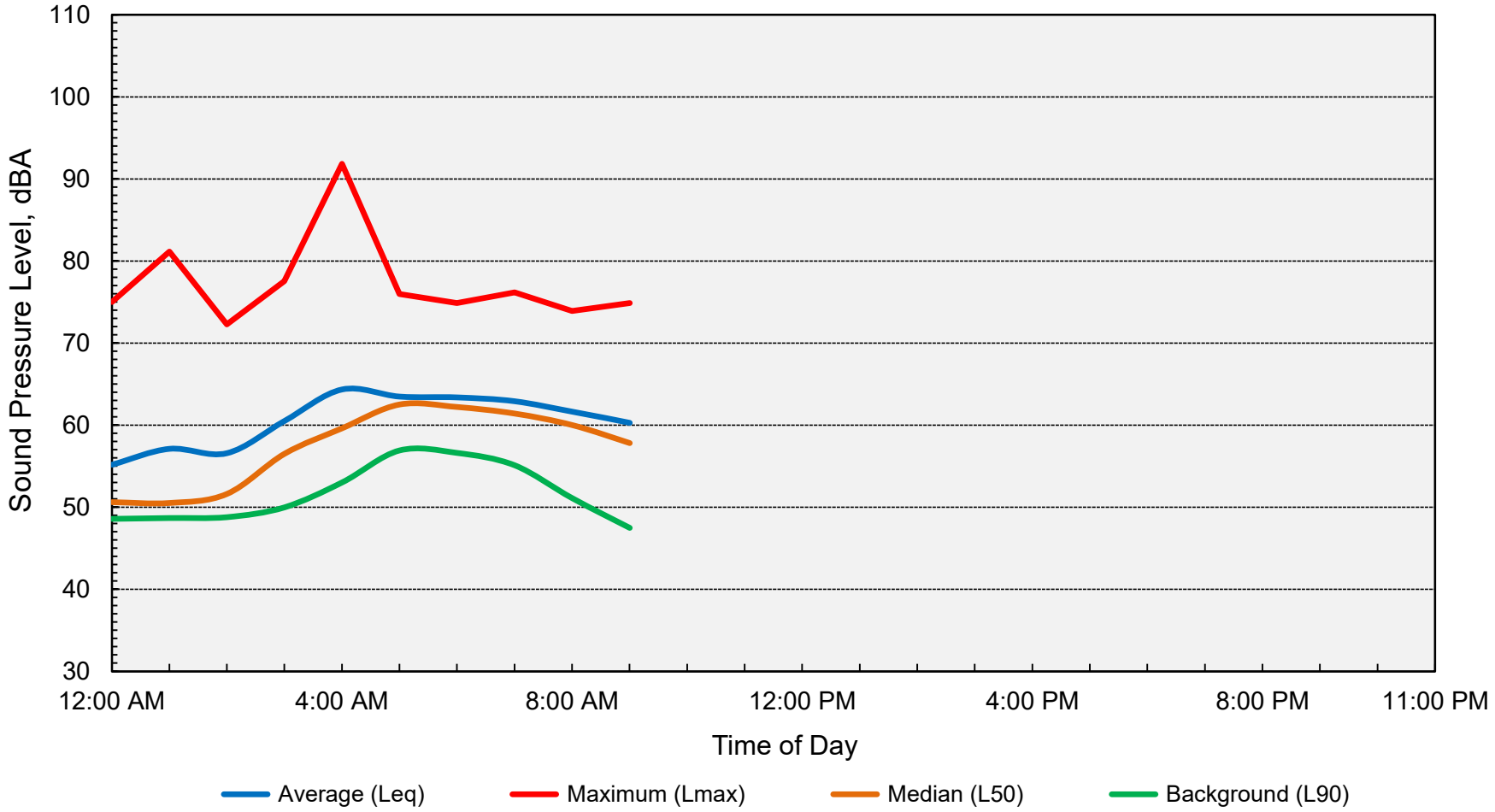
Appendix D-10
Long-Term Ambient Noise Monitoring Results, LT-2
Murphy Ranch - Escalon, California
Monday, August 7, 2023



Computed DNL = 68 dB

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APPENDIX G
TRAFFIC TECHNICAL MEMORANDUM

FEHR PEERS

Technical Memorandum

Date: Revised April 15, 2025

To: John Pronoitis - Florsheim Homes

From: Carly Hoyt and Ron Milam, AICP, PTP - Fehr & Peers

Subject: Murphy Ranch Transportation Impact Analysis

RS23-4281

This memorandum presents the methodologies, inputs, and results of the Murphy Ranch Transportation Impact Analysis completed to comply with the City of Escalon requirements associated with entitlement review and the California Environmental Quality Act (CEQA). For CEQA purposes, the study focuses on two impact topics.

- Vehicle miles traveled (VMT).
- Queueing at Caltrans intersections.

Other potential CEQA topics identified in the CEQA Appendix G checklist are not included as this study is intended to be a supplement to the CEQA analysis completed by others.

For entitlement review, the impact analysis included two additional topics.

- Intersection and roadway operations.
- Collision history review.

The intersection and roadway segment operations analysis are included to describe how the addition of project traffic will affect the existing driver experience as described in greater detail later in this memorandum. Please note that this study supersedes previous analysis that was generally prepared to help determine the developer's fair share contribution for future improvements at the SR 120/Brennan Avenue intersection. Based on comments received from the public and Caltrans, the study has been expanded and updated and this new study replaces the previous version in all respects.

Project Description

The proposed development consists of 73 detached single family dwelling units, including 7 affordable units and 65 market rate units. The proposed project site is located in Unincorporated San Joaquin County; however, it would be annexed into the City of Escalon with the proposed project. The project site is located southeast of the SR 120/Brennan Avenue intersection and is surrounded by agricultural land uses to the north and west and single-family residential to the south and east. The project is consistent with the City of Escalon General Plan land use designation and the goals and policies identified in the Land Use Element and Urban Boundary Element.

Two existing local roads, Celivo Way and Riesling Way, will be extended to provide access to the proposed project. Both roads currently connect to California Street, which provides access to Brennan Avenue and ultimately SR 120 to the west, and McHenry Avenue/Escalon-Bellota Road to the east. No direct access to Brennan Avenue or SR 120 is proposed.

VMT Impact Assessment

This section describes the regulatory basis for VMT impact analysis, thresholds of significance used for the VMT analysis, the VMT assessment approach, and the results of the VMT assessment for the proposed project.

Senate Bill 743

Senate Bill (SB 743) was signed into law in 2013 and changed the focus of transportation impact analysis for CEQA purposes. Instead of analyzing the impact of land use projects on drivers using metrics like delay and level of service (LOS), transportation impacts are now based on the effects of driving as measured using VMT. The specific changes are codified in Section 15064.3 of the CEQA Guidelines, which states that generally, vehicle miles traveled is the most appropriate measure of transportation impacts. And, according the 15064.2(a), "*Except as provided in subdivision (b)(2) (regarding roadway capacity), a project's effect on automobile delay shall not constitute a significant environmental impact.*". The provisions of 15064.3 have applied statewide since July 1, 2020.

While the CEQA Guidelines do not contain detailed guidance for individual land uses, Section 15064.3(b)(1) recommends, "*Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.*"

VMT Thresholds of Significance

CEQA Guidelines Section 15064(b)(1) allows lead agencies the discretion to select their own thresholds and allow for differences in thresholds based on context. The City of Escalon has not adopted VMT impact thresholds for general use so a project-specific threshold was developed based on direction from City staff. The City of Escalon has determined that a significant impact would occur if the proposed projects' home-based VMT per capita would exceed the existing Citywide average home-based VMT per capita.

Key factors in determining this threshold included a review of the General Plan expectations for VMT reduction, and the project's consistency with the City's General Plan Land Use Element, Urban Boundary Element, and Housing Element. The General Plan Circulation Element does not include explicit targets or policies for reducing VMT but does generally support VMT reduction.

Additionally, the Urban Boundary Element describes the strategic growth plan for the City and includes 10-year growth rings (boundaries) starting with the year 2015, 2025 (Sphere of Influence), 2035, and the outer boundary which is the Planning Area. The Urban Boundary Element states that it is "an important element because it limits leap-frog development and provides for an orderly transition from rural to urban land uses."

Key objectives of the Element include minimizing urban sprawl and leap-frog development and designating growth areas that can be served by logical infrastructure extensions. Minimizing urban sprawl and leap-frogging development is consistent with the overarching goal of SB 743 which is to reduce vehicle miles traveled (and ultimately greenhouse gas emissions) by encouraging infill development and focusing new development near existing services. The City's growth boundary was strategically designed to allow the City to increase its housing supply (which is consistent with multiple state goals and policies) while minimizing impacts on city services and ensuring development is contiguous with the existing city boundary, while also protecting and preserving the existing local community. Although development of the urban growth boundary predates VMT and SB 743, the concept of the growth boundary is consistent with the overarching goal of SB 743 and statewide goals for increasing the housing supply as it allows for the addition of housing units but ensures those units are strategically placed to minimize negative impacts to the environment, city services, and the local community.

VMT Assessment Approach

Fehr & Peers VMT+ tool was used to determine the Citywide average home-based VMT per capita and estimate project home-based VMT per capita. VMT+ utilizes a custom data set from StreetLight Data, which is based on anonymized locational records, passively collected from smart phones, and it provides home-based VMT per capita and home-based VMT per worker in California, down to the census block group (BG). Data from 2022 was used for this analysis.

The VMT+ VMT per capita (or resident) data includes all home-based automobile vehicle trips which are traced back to the residence of the trip-maker (see **Image 1**); non-home based trips (i.e. from the grocery store to the coffee shop) and commercial vehicle trips (trucks) are excluded.



Image 1: Home-Based VMT Graphic
Source: Fehr & Peers

There are six BGs within the City of Escalon, however, all six overlap between the City of Escalon and San Joaquin County boundary. Based on 2022 VMT+ data, Unincorporated San Joaquin County has a lower average VMT per capita than the City of Escalon. Because the BGs overlap between the City and County boundary, it is possible that homes located in the County generate lower home-based VMT per capita than those in the City, particularly because the homes in the County in this area are primarily rural or agricultural in nature and likely have different trip making characteristics than traditional single-family homes in a more suburban setting. County homes in these BGs may be skewing (downward) the Citywide average home-based VMT per capita. However, due to limitations in the data set and BG boundaries, these homes are included nonetheless and may be resulting in a lower Citywide average home-based VMT per capita than would be reported if homes exclusively within the City of Escalon were being used for the analysis. **Table 1** displays the average home-based VMT per capita for all six BGs, which was used to develop the Citywide average home-based VMT per capita.

Table 1 – Average Citywide Home-Based VMT Per Capita

Census Block Group	Home-Based VMT Per Capita
060770049031	30.2
060770049032	26.5
060770049041	29.0
060770049042	27.1
060770049043	23.3

060770049044	22.4
Citywide Average	**26.4**

Notes:
Home-based VMT per capita derived from 2022 Streetlight Data.
Source: Fehr & Peers, 2023

As displayed, the Citywide average home-based VMT per capita is 26.4.

The average home-based VMT per capita for BG 060770049032, the BG the proposed project is in, was used to evaluate project VMT. The following criteria were used to determine if the existing BG was appropriate to use to estimate project home-based VMT per capita:

1) Land use characteristics: Almost all homes located in the BG are single-family homes located in the residential neighborhoods south of SR 120. These homes are similar in size and development type when compared to the proposed project (i.e. a BG with primarily high-density multi-family development would not be appropriate to use to estimate VMT for a low-density single-family home development).
2) Location of BG compared to location of the proposed project: Given that the proposed project is located within the BG, it can be concluded that there are no geographical or circulation differences that would result in a significantly different VMT per capita (i.e., a BG in a different part of the city with a very different circulation network and access locations may not be as reasonable of a proxy).
3) Age of housing: The age of housing stock can impact the demographics (and trip making characteristics) of a community. The subdivision directly south of the proposed project is one of the newest residential developments in the City of Escalon and therefore, is likely the most representative in terms of household demographics for the proposed project.

For these reasons, the existing BG was determined to be generally representative of the proposed project and it is anticipated that future residents of the proposed project would have similar trip making characteristics as the existing residents and produce similar home-based VMT per capita. The one caveat to this is that the project includes seven affordable units which typically generate fewer trips and ultimately less VMT when compared to market rate units.[1]. Daily trip generation rates documented in the *Trip Generation Manual, 11th Edition* (Institute of Transportation Engineers, 2021) for single-family detached homes and affordable housing units were used to evaluate if and how much of a discount should be applied to the existing BG's home-based VMT per capita to account for the affordable units. Based on the ITE trip

[1] *Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity* (California Air Pollution Control Officers Association, 2021) and *Technical Advisory on Evaluating Transportation Impacts in CEQA* (Technical Advisory), California Governor's Office of Planning and Research (December 2018).

generation rates, affordable units are estimated to generate approximately 49 percent less trips than typical single-family homes on a daily basis.

Incorporating this discount for the affordable units results in an average project home-based VMT per capita of 25.2, which is lower than the Citywide average home-based VMT per capita of 26.4. Therefore, the proposed project would result in a **less than significant transportation impact**.

Queuing Impacts

Fehr & Peers completed a queuing impact analysis to determine how the addition of project traffic during peak hours would impact queueing at the State Route (SR) 120/Brennan Avenue and SR 120/Walnut Avenue intersections. This section describes the regulatory basis for the queueing impact analysis, including the thresholds of significance plus the methodologies, inputs, and results.

Due to their close proximity to the SR 120 intersections listed above, queueing is also analyzed for the intersections of Brennan Avenue/California Street and Walnut Avenue/California Street; however, these queues are presented for informational purposes only. Caltrans requests queueing impact analysis related to the state highway system for CEQA review purposes while the City of Escalon does not. More details are provided in the regulatory framework below.

Regulatory Framework

Caltrans is responsible for planning, designing, constructing, operating, and maintaining the State Highway System (SHS). Any improvements or modifications to the SHS at the study intersections would need to be approved by Caltrans. To facilitate Caltrans review, and where necessary, their approval, the following technical guidance applies.

VMT-Focused Transportation Impact Study Guide (TISG)

On May 20, 2020, the VMT-Focused Transportation Impact Study Guide ("TISG") was adopted by Caltrans (2020). The TISG provides guidance on how Caltrans will review land use projects, with focus on VMT analysis and supporting state land use goals, state planning priorities, and GHG emission reduction goals; as well as identifying land use projects' possible transportation impacts to the State Highway System and potential non-capacity increasing mitigation measures. The TISG indicates that Caltrans intends to "transition away from requesting LOS or other vehicle operations analyses of land use projects," instead placing the focus on VMT and safety.

Local Development Review (LDR) Safety Review Practitioner's Guidance

The Caltrans Safety Impact Guidance provides methods for how Caltrans and lead agencies can review the potential safety impacts of land use development projects affecting the state highway system. Caltrans acknowledges that the guidance may also be used to evaluate local roadways at the discretion of the lead agency. As explained in the document, "This Guidance prioritizes vulnerable road users (VRU)1 and underserved communities; enhances safety for pedestrians, bicyclists, transit, and vehicular modes; and applies both reactive and systemic perspectives. This Guidance supports the shift away from using Highway Capacity Manual Level of Service (LOS) as a metric of analysis under the California Environmental Quality Act (CEQA), in accordance with implementing Senate Bill 743, and complements the "Vehicle Miles Traveled-Focused Transportation Impact Study Guide" (TISG) (dated May 20, 2020)."

Caltrans' Transportation Concept Report (TCR) for SR 120 classifies SR 120 west of Brennan Avenue as a two-lane expressway and classifies SR 120 east of Brennan Avenue as a two-lane conventional highway. The LDR Guidance recommends focusing on speed management and control, access management (driveways, intersections, and roundabouts and/or acceleration/deceleration lanes), accommodations for bicyclists and pedestrians, and conflict avoidance.

Queuing Thresholds of Significance

Based on guidance in the Caltrans documents described above and a project specific discussion with Caltrans District 10 staff on January 28, 2025, the proposed project would result in a significant impact if it would:

- Cause the 95th percentile queue length on the westbound approach at SR 120/Brennan Avenue to spill back to SR 120/Walnut Avenue during either the AM or PM peak hour.
- Cause the 95th percentile queue length in the westbound left turn pocket at SR 120/Walnut Avenue to extend beyond the available storage during either the AM or PM peak hour.

Queuing Impact Analysis Approach

Vehicle queueing is analyzed using Synchro's SimTraffic version 12 microsimulation module, which applies the procedures and methodologies contained in the *Highway Capacity Manual 7th Edition* (Transportation Research Board, 2022). SimTraffic considers traffic volumes, lane configurations, signal timings, interactions between adjacent intersections, turn lane queues, upstream/downstream bottlenecks, and other parameters. SimTraffic is capable of analyzing intersection operations under a wide range of conditions including when operating conditions are near capacity, turn lane storage exceedance is common, and/or intersections are spaced closely together. Consistent with District 10 requirements, an average of 10 runs was used and the precise (non-rounded) 95th percentile queue is reported. This queue represents the length of queued traffic for which there is a 5% or less chance that the actual queue would be greater.

The following specific inputs are used in the analysis.

- Traffic volumes based on count data collected and described in "Data Collection"
- Lane configurations based on field observations and aerial imagery.
- Global peak hour factor of 0.89 for AM and 0.96 for PM based on traffic count data.
- Heavy vehicle percentages by movement based on traffic count data and heavy vehicle restrictions on local roads[2].
- Bicycle and pedestrian volumes based on count data.
- Adjusted turning movement speed and headway factor for the northbound approach to calibrate SimTraffic to field observations.

The following intersections were selected for the vehicle queueing analysis based on the comment letter provided by Caltrans on December 17, 2024.

1) SR 120/Brennan Avenue
2) Brennan Avenue/California Street
3) California Street/Walnut Avenue
4) SR 120/Walnut Avenue

Data Collection

A combination of count data was used to determine intersection turning movement volumes at the study intersections. Caltrans provided count data collected December 3rd through 5th, 2024 from 6:00 AM to 8:00 PM at the intersection of SR 120/Brennan Avenue. Traffic count data at the remaining three intersections was collected on March 6, 2025 during the AM peak period (7:00 AM to 9:00 AM) and PM peak period (3:30 PM to 5:30 PM). Field observations were also conducted to gather necessary data (queueing and delay) to calibrate the microsimulation model to match existing conditions and to conduct a reasonableness check on the volumes documented in the December count data. Traffic count data is typically collected during weekday AM and PM peak periods because these periods are when traffic volumes tend to consistently be the highest. When possible, roadways are designed to balance accommodating traffic volumes during peak hour conditions based on the jurisdictions level of service performance target without resulting in overdesigned roadways during non-peak hours.

SimTraffic requires volume balancing and global peak hour volumes and a global peak hour factor be used for the analysis. The global peak hour at the four intersections during the AM peak period is 7:15 AM to 8:15 AM and the global peak hour during the PM peak period is 4:30 PM to 5:30 PM. It is noted that local

2 Heavy vehicles are prohibited on Walnut Avenue and a heavy vehicle percentage of 0 was used for this local road. Signage at SR 120/Brennan Avenue indicates heavy vehicles are also prohibited on Brennan Avenue; however, due to the existing agriculture on the west side of Brennan Avenue, heavy vehicle percentages based on count data was used.

roads experienced greater fluctuation in volumes throughout the hour (resulting in a lower peak hour factor) but the peak hour factor at the SR 120 intersections is used due to overall traffic volumes on the state highway. Turning movement count data is displayed in **Attachment 1**.

Project Trip Generation and Distribution

Project trips were estimated using trip rates published in the *Trip Generation Manual, 11th Edition* (Institute of Transportation Engineers, 2021). **Table 2** displays the estimated number of daily, AM peak hour, and PM peak hour vehicle trips for the proposed project.

Table 2 – Project Trip Generation

Land Use (ITE Code)	Quantity (DU)	Daily	AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
Single Family (210)	66	688	13	38	51	42	25	67
Affordable Housing (223)	7	34	1	3	4	2	1	3
Total	**73**	**722**	**14**	**41**	**55**	**44**	**26**	**70**

Notes:
Trip generation estimated using trip rates published in the *Trip Generation Manual, 11th Edition* (Institute of Transportation Engineers, 2021). The fitted curve equation was used to estimate single-family home trips and the average rate was used to estimate affordable units.
Source: Fehr & Peers, 2023

As displayed, the proposed project is estimated to generate 722 daily, 55 AM peak hour, and 70 PM peak hour trips.

Project trips were distributed based on existing travel patterns and output from the San Joaquin Council of Governments (SJCOG) 2016 base year travel demand model (TDM). Traffic count data collected at the study intersections was used to determine how trips from the existing single-family homes adjacent to the project site are distributed through study intersections. In addition to evaluating existing data, the proposed project was added to the base year TDM for the sole purpose of evaluating general distribution on SR 120 and throughout Escalon. The TDM model produced similar distribution to existing travel patterns based on 2024/2025 count data. Project trip distribution is displayed in **Figures 1 and 2.**

Note, all trips to/from the west were assigned to the SR 120/Brennan Avenue intersection while most trips to the east were assigned to California Street, 1st Street or SR 120 by way of California Street to Walnut Avenue. This is primarily because travel time and distance influence a driver's chosen path of travel and heading west to Brennan Avenue to then go east on SR 120 is not only a longer distance, but would increase travel time as the existing delay for the northbound turning movement at the SR 120/Brennan Avenue

intersection is high, as described in greater detail in the operations analysis results section of this memorandum.

Analysis Scenarios

The queueing analysis was completed for the following scenarios:

1) Existing Conditions – represents conditions in 2025.
2) Existing Plus Proposed Project Conditions – analyzes the study intersections with the addition of project trips to existing conditions.

Under cumulative conditions, some background traffic growth will occur in addition to the traffic generated by the proposed project. Review of California Department of Finance reports E-4 and P-2A indicate San Joaquin County has experienced an annual average growth rate increase of .31% based on historic growth between 2020 and 2024 and is estimated to have an annual average growth rate increase of 1.09% between 2025 and 2045. On January 28, 2025 during on a project specific discussion with Caltrans District 10 staff (as well as in supplemental email correspondence with Caltrans between January and April 2025), Caltrans noted they have prepared a Conceptual Report to identify improvements necessary to accommodate future levels of traffic growth based on their design, operational, and safety standards. At the time of this report, the Conceptual Report has not yet been publicly released. During this conversation with Caltrans staff, they noted the timing of intersection improvements is unknown but they anticipate it will likely be a minimum of five years (2030+) before major physical improvements (such as installation of a signal, roundabout, turn pockets, etc.) to the intersection are made. They also noted the project would be fully funded by Caltrans. Although there is no official timeline for project improvements at this time, Caltrans has confirmed improvements will occur prior to the 2045 cumulative year horizon year for the proposed project. Therefore, no cumulative impact related to queuing is expected.

Pending entitlement and building permit approval, the proposed project is anticipated to begin construction near the end of 2026/early 2027 and be completed within one to three years. For this reason, the intent of this queueing analysis is to identify how the project will impact the intersection prior to the improvements made by Caltrans and focuses on an existing and existing plus project queueing analysis.

Queuing Impact Assessment Results

Table 3 displays existing and existing plus project AM and PM peak hour 95th percentile queue lengths for key turning movements at the study intersections. Consistent with Caltrans District 10 preferences, non-rounded 95th percentile queues are reports. Technical calculations are provided in **Attachment 2**. Although only queuing on the westbound approach at SR 120/Brennan Avenue and SR 120/Walnut Avenue are used

for the CEQA impact analysis, queuing on all approaches and on local roads is provided for informational purposes.

Table 3 – 95th Percentile Queues[1] – Existing and Existing Plus Project Conditions					
Intersection	**Turning Movement**	**Available Storage (feet)**	**Peak Hour**	**Existing**	**Existing Plus Project**
1. SR 120/ Brennan Ave	NB L/T/R	625	AM	151	215
			PM	79	91
	SB L/T/R	N/A	AM	40	40
			PM	50	57
	EB L/T/R	N/A	AM	24	40
			PM	56	59
	WB L/T/R	2,700[2]	AM	96	48
			PM	42	98
2. Brennan Ave/ California St	SB L/T/R	65	AM	6	9
			PM	10	13
	WB L/T/R	N/A	AM	47	50
			PM	35	41
3. California St/ Walnut Ave	NB L/T/R	N/A	AM	3	3
			PM	8	14
	SB L/T/R	N/A	AM	3	4
			PM	4	5
	EB L/T/R	N/A	AM	48	52
			PM	48	49
	WB L/T/R	N/A	AM	28	31
			PM	26	27
4. SR 120/ Walnut Ave	NB L/T/R	N/A	AM	105	137
			PM	56	68
	WBL	340	AM	37	36
			PM	48	56

Notes:
[1]95th percentile queue is based on out from SimTraffic microsimulation model.
[2]Available storage based on Caltrans impact criteria that a significant impact would occur if queue spills back to adjacent intersection of SR 120/Walnut Ave.
Source: Fehr & Peers, 2025

As shown, the 95th percentile queue would not exceed the available storage under existing or existing plus project conditions. The longest queues are experienced on the northbound approaches at SR 120/Brennan Avenue and SR 120/Walnut Avenue during the AM peak hour. With the addition of project trips, the 95th percentile queue on the northbound approach at SR 120/Brennan Avenue would increase from approximately six vehicles to eight to nine vehicles. At SR 120/Walnut Avenue, the 95th percentile queue on the northbound approach would increase from approximately four to five vehicles to five to six vehicles.

The proposed project would not cause the 95th percentile queue for the westbound approach at SR 120/Brennan Avenue to spill back to SR 120/Walnut Avenue nor would it cause the 95th percentile queue for westbound left turn pocket at SR 120/Walnut Avenue to exceed the available storage. Therefore, the proposed project would result in a **less than significant** queuing impact.

Intersection Operations Analysis

The intersection operations analysis provides information required by the City of Escalon to measure how the addition of project traffic to existing conditions will affect driving. The analysis relies on changes in delay to drivers to determine the level of service (LOS) for peak hour traffic operations. Automobile LOS is a qualitative description of traffic flow from the perspective of drivers and does not provide information about the experience of those walking or bicycling through the study intersections.

The *Highway Capacity Manual (HCM), 7th Edition* (Transportation Research Board, 2022) defines six levels of service from LOS A representing the least delay to LOS F representing the most congested traffic conditions. These grades represent the perspective of drivers and are an indication of the comfort and convenience associated with driving, as well as speed, travel time, traffic interruptions, and freedom to maneuver.

For intersection LOS at unsignalized side-street stop-controlled intersections, this study reports the average control delay for the lane group or movement with the greatest delay, and for the intersection as a whole.

Table 4 presents the control delay range for each LOS for unsignalized intersections.

Table 4 – Levels of Service Definitions - Intersections

Level of Service	Average Control Delay at Stop Controlled Intersections
A	≤ 10
B	>10 to 15
C	>15 to 25
D	>25 to 35

E	>35 to 50
F	>50

Notes:
Average control delay presented in seconds per vehicle. Delay values are rounded to the nearest second and evaluated for LOS based on the above thresholds (i.e., 10 seconds per vehicle = LOS A)
Source: *Highway Capacity Manual 7th Edition*, Transportation Research Board, 2022.

Intersection Operations Analysis Results

Intersection operations were analyzed using the methodologies previously described. For existing plus project conditions, project trips were added to existing traffic counts based on the trip generation and distribution previously described. **Figure 3 and 4** display the peak hour turning movements for existing and existing plus project conditions.

Table 5 displays the AM and PM peak hour intersection operations at the study intersections under both analysis scenarios. The precise, non-rounded delay is presented consistent with Caltrans District 10 preferences. The City of Escalon's General Plan indicates a performance target of LOS D for local city intersections. Caltrans also has performance target of LOS D for Caltrans intersections. Technical calculations are provided in **Attachment 2**.

Table 5 – Intersection Operations Analysis

Intersection	Control Type	Peak Hour	Existing		Existing Plus Project	
			Delay[2]	LOS	Delay[2]	LOS
1. SR 120/ Brennan Ave	SSSC[1]	AM	**6.0 (51.1)**	**A (F)**	**8.5 (77.2)**	**A (F)**
		PM	**4.6 (56.0)**	**A (F)**	**5.9 (67.2)**	**A (F)**
2. Brennan Ave/ California St	SSSC[1]	AM	1.1 (4.7)	A (A)	1.3 (4.4)	A (A)
		PM	1.1 (3.9)	A (A)	1.3 (5.1)	A (A)
3. California St/ Walnut Ave	SSSC[1]	AM	1.9 (5.0)	A (A)	2.3 (5.3)	A (A)
		PM	1.7 (5.7)	A (A)	2.0 (5.2)	A (A)
4. SR 120/ Walnut Ave	SSSC[1]	AM	3.9 (35.0)	A (D)	4.3 (35.2)	A (D)
		PM	3.9 (32.2)	A (D)	4.2 (33.8)	A (D)

Notes:
Bold indicates deficient operations.
[1]SSSC = side-street stop controlled intersection
[2]The overall average intersection delay is reported in seconds per vehicle and (worst-case movement).
Source: Fehr & Peers, 2024

As displayed, SR 120/Brennan Avenue operates deficiently at LOS F during both the AM and PM peak hours without and with the addition of project trips. Under existing conditions, the northbound approach experiences the highest delay with an average delay of approximately 51 seconds during the AM peak hour

and 56 seconds during the PM peak hour. This is consistent with field observations where observed delay for the northbound approach was as low as three seconds to as high as two minutes and fifteen seconds. A peak hour signal warrant analysis (consistent with the methodologies in the California MUTCD 2014 Edition) was conducted to determine if existing volumes satisfy the warrant for installation of a traffic signal. It is noted that the peak hour warrant is one of nine signal warrants in the MUTCD to assist traffic engineers in determining whether installation of a traffic signal is justified. Satisfaction of a signal warrant does not necessarily mean a traffic signal is the most appropriate control option (and a roundabout can still be considered), it simply indicates volumes on the side-street are high enough during the peak hour to consider a traffic signal or alternative control option. Under existing conditions, volumes during the AM peak hour satisfy the warrant for installation of a traffic signal while volumes during the PM peak hour do not. Technical calculations are provided in **Attachment 2**.

The proposed project is estimated to add a total of 24 trips to the intersection during the AM peak hour, 18 of which would be outbound trips on the northbound approach; a total of 26 trips are estimated to be added during the PM peak hour, seven of which would be outbound trips on the northbound approach. As a result, the project would increase delay on the approach by approximately 26 seconds during the AM peak hour and 11 seconds during the PM peak hour.

The proposed project would result in minimal changes to delay at the other study intersections and all other intersections would operate at LOS D or better during the AM and PM peak hours. It is noted that delay for the northbound approach at SR 120/Walnut Avenue is at the LOS D/E threshold of 35 seconds during the AM peak hour and near this threshold during the PM peak hour. This delay is experienced by motorists making the northbound left turn onto SR 120; the northbound right turn delay would increase from approximately 15 to 18 seconds with the addition of project trips. The proposed project would not add any trips to the northbound left turn movement at this intersection and as a result, this delay does not change with the addition of project trips.

Although SR 120/Brennan Avenue operates at LOS F under existing conditions and would continue to operate at LOS F with the addition of project trips, the project is considered consistent with the General Plan given the General Plan policy focuses on local intersections and roadways and SR 120/Brennan Avenue is a Caltrans intersection. As previously mentioned, Caltrans has their own internal process for addressing deficiencies and has indicated that they have prepared a Conceptual Report that evaluated various lane configurations and control options for this intersection. The Conceptual Report is currently being reviewed internally by Caltrans staff and has not yet been released for public review. Because the Conceptual Report is evaluating near-term and ultimate improvements at the intersection (including lane configuration changes and/or control changes such as a traffic signal or roundabout), these types of improvements are not included in this memorandum. However, due to public concerns regarding a history of collisions at this

intersection, additional safety related improvements are included for consideration and are discussed in the "Collision History Review" section of this memo.

Roadway Segment Analysis

Fehr & Peers completed a roadway segment analysis to evaluate how the proposed project would impact daily traffic on California Street and Brennan Avenue. The City of Escalon Police Department collected speed and volume data on California Street between Brennan Avenue and Riesling Road between December 6 and December 20, 2024. Data is provided in **Attachment 3**.

This data, along with peak hour data collected at the California Street/Walnut Avenue intersection and Brennan Avenue/California Street intersection, was used to estimate ADT on California Street between Riesling Road and Walnut Avenue and Brennan Avenue between SR 120 and California Street [3]. Project trips were added to existing ADT to estimate existing plus project ADT. **Table 6** displays both existing and existing plus project ADT on the roadway segments.

Table 6 – Roadway Segment Analysis

Roadway Segment	Existing ADT	Existing Plus Project ADT
1. California Street between Brennan Avenue and Riesling Road	594	955
2. California Street between Riesling Road and Walnut Avenue	750	1,111
3. Brennan Avenue between SR 120 and California Street	1,200	1,561

Notes: Existing ADT on segment 1 was provided by City of Escalon Police Department. Existing ADT on segment 2 and 3 was estimated by applying a k-factor of .10 to existing peak hour volumes.
Fehr & Peers, 2025

As displayed, with the addition of project trips, volumes on California Street would increase to between approximately 1,000 to 1,100 ADT and volumes on Brennan Avenue would increase to approximately 1,600 ADT. The City of Escalon General Plan includes a goal of maintaining a roadway LOS of D or better on local streets, Minor Collectors, Collector and Arterial Streets but does not include specific LOS D thresholds. Based on the Highway Capacity Manual's generalized daily service volume thresholds for two-lane urban streets, California Street and Brennan Avenue would operate at LOS D or better with the addition of project trips.

Additionally, the City of Escalon Municipal Code Section 16.02.020.C. requires access routes from residential subdivisions to collector or arterial streets be designed to encourage vehicle speeds of less than 25 miles per hour and traffic volumes of less than 4,000 ADT, or as otherwise provided for in the circulation element of the general plan or in the city standards. While this applies to local roads and California Street is

[3] A k-factor of .10 was used to estimate ADT.

designated as a collector and Brennan Avenue is designated as an arterial (which are both intended to carry higher volumes than local access roads), neither California Street nor Brennan Avenue would exceed 4,000 ADT with the addition of project trips.

Collision History Review

Fehr & Peers reviewed the most recent five-years of available collision data at SR 120/Brennan Avenue to determine what, if any, collision patterns exist under existing conditions. California Highway Patrol (CHP) Statewide Integrated Traffic Records System (SWITRS) data between January 1, 2020 and December 31, 2024 was used for this collision history review. During the study time period, there were 15 reported collisions at the intersection. **Table 7** displays collisions by severity.

Table 7 – Collisions by Severity (1/1/2020 – 12/31/2024)

Intersection	Total Crashes	Fatal	Severe Injury	Injury (Other Visible)	Property Damage Only
SR 120/ Brennan Avenue	15	1	5	6	3

Notes: Collision data obtained from SWITRS
Fehr & Peers, 2025

As shown, one fatal, five "severe" injury, six "other visible" injury, and three property damage only (PDO) collisions occurred during the study time period. The following collision types are most prevalent:

- Broadside: 53% (8 collisions)
- Rear End: 20% (3 collisions)
- Sideswipe: 13% (2 collisions)

Five of the six KSI collisions are broadside collisions which occurred as a result of motorists on Brennan Avenue failing to yield to oncoming traffic on SR 120 (note, one of these collisions also included driving under the influence). The sixth KSI collision is categorized as "other" but was caused by a motorist heading north on Brennan Avenue failing to yield to oncoming traffic on SR 120. Review of the police report[4] for this collision indicates a motorist "went into a tree or off the road" so although this collision did not result in a broadside collision, the collision was caused by the same action – drivers on Brennan Avenue failing to yield to oncoming traffic on SR 120. Five of these six collisions were caused by motorists heading north on Brennan Avenue either proceeding straight or turning left onto SR 120. One collision was caused by motorists heading south on Brennan Avenue.

[4] https://weescalon.com/2024/12/02/escalon-police-departments-weekly-activity-log-11-25-2024-11-30-2024/

All three rear end collisions were attributed to unsafe speeds on SR 120. Sideswipe collisions were attributed to drivers passing other vehicles or crossing into opposing lanes, which can also often be correlated with unsafe speeds.

There are no clear time of day or weather-related collision patterns at SR 120/Brennan Avenue. Based on the data reviewed, collisions at this intersection appear to be primarily caused by:

- Speeding on SR 120
- Drivers on Brennan Avenue failing to yield to oncoming traffic on SR 120 (potentially due to long delays often experienced on the side street)

As previously noted, Caltrans is in the process of evaluating improvements at this intersection. Caltrans has their own design, safety, and operations standards and through application of their standards, the ultimate design of the intersection and its approaches would result in modifications aimed at reducing side-street delay, reducing speeds on SR 120, and accommodating traffic growth through the design year of the intersection improvements (2045 or beyond). While this analysis does not include detailed recommendations for intersection control or configuration changes, the U.S. Department of Transportation Federal Highway Administration's (FHWA) list of "Proven Safety Countermeasures" was reviewed to evaluate if any immediate improvements could be made to help reduce collisions at the intersection.

Based on review of the Proven Safety Countermeasures, the following countermeasures have been proven to reduce fatal and severe injury collisions for the crash types listed above and could be considered by Caltrans and/or the City for near-term implementation.

Reduced Speed Limit on SR 120

The posted speed limit on SR 120 near Brennan Avenue is 55 miles per hour (MPH). Approximately 2,450 feet east of SR 120/Brennan Avenue (approaching SR 120/Walnut Avenue) the posted speed limit is reduced to 50 MPH. East of Walnut Avenue, the posted speed limit is further reduced to 40 MPH and ultimately 30 MPH approaching SR 120/McHenry Avenue.

The first proven safety countermeasure listed on the FHWA's Proven Safety Countermeasure webpage[5] is setting "Appropriate Speed Limits for All Road Users". It notes that speed control is one of the most important methods for reducing fatalities and series injuries. Speed limits are traditionally based on engineering studies and speed surveys; however, FHWA encourages agencies to use additional tools which take into consideration existing speeds, roadway characteristics, and crash history. A speed survey on SR 120 has not yet been conducted so a formal speed limit recommendation cannot be provided at this time.

[5] https://highways.dot.gov/safety/proven-safety-countermeasures

If this countermeasure is implemented, a speed survey should be conducted and the appropriate speed limit for this segment of SR 120 should be re-evaluated using the USLIMITS2 tool and/or the NCHRP 966: Posted Speed Limit Setting Procedure and Tool (or other tool as deemed appropriate by Caltrans). A reduced speed limit could be paired with sign and pavement markings to assist in alerting drivers on the highway that speeds should be reduced. Table 16 in FHWA's *Self Enforcing Roadways: A Guidance Report* (FHWA, 2018)[6] provides a variety of sign and pavement marking roadway treatments that affect speeds that can be considered. Examples include speed feedback signs with posted speed limit reminder sign, enhanced speed limit pavement markings with colored surfacing on road, transverse pavement markings, and more. A description of each treatment along with its documented effectiveness, and an image are provided in the document.

Increasing and Modifying Existing Signage and Striping

FHWA's "Systemic Application of Multiple Low-Cost Countermeasures at Stop-Controlled Intersections" is a systemic approach to intersection safety which involves incorporating multiple low-cost countermeasures such as enhanced signage and pavement marking, retroreflective sheeting on posts, doubling up signage and more.

It is noted that Caltrans installed a flashing beacon with an intersection advanced warning sign in October of 2024. Given the timing of this improvement, it is too soon to determine if this has resulted in a reduction of collisions. However, this should be monitored over the next year and if collision rates are not reduced, an additional flashing beacon with oversized advance intersection warning signs with supplemental street names on SR 120 could be installed. This would result in two flashing beacons as motorists approach the intersection from either direction. See **Image 1** for example.

[6]https://www.fhwa.dot.gov/publications/research/safety/17098/17098.pdf?_gl=1*15co4n4*_ga*NTI1OTE1OTE1LjE3MTUwMzAzMDc.*_ga_VW1SFWJKBB*MTc0NDE1NjUxMC4xMi4xLjE3NDQxNTc2MDkuMC4wLjA.



Image 1 – Example of potential countermeasure that can be implemented on SR 120. Source: South Carolina DOT via FHWA Proven Safety Countermeasure webpage[7]

On Brennan Avenue, the following improvements could be implemented on the northbound approach:

- Doubled-up oversized advanced "Stop Ahead" intersection warning signs with (with or without flashing beacons) and retroreflective sheeting on sign posts (see **Image 2**).
- Restriping the stop bar and marked "STOP" north of the railroad tracks.
- Restripe stop bar south of the railroad tracks with "DO NOT STOP ON TRACKS" signage.



Image 2 – Example of countermeasure that can be implemented on Brennan Avenue. Source: South Carolina DOT via FHWA Proven Safety Countermeasure webpage[8]

[7]https://highways.dot.gov/safety/proven-safety-countermeasures/systemic-application-multiple-low-cost-countermeasures-stop
[8]https://highways.dot.gov/safety/proven-safety-countermeasures/systemic-application-multiple-low-cost-countermeasures-stop

It is noted that while the countermeasures listed above can be effective, they are lower-cost countermeasures that can be easier and faster to implement than more effective countermeasures such as a roundabout, access modifications, etc. They are recommended as first-step countermeasures that can be installed while the ultimate configuration for the intersection is still being evaluated by Caltrans.

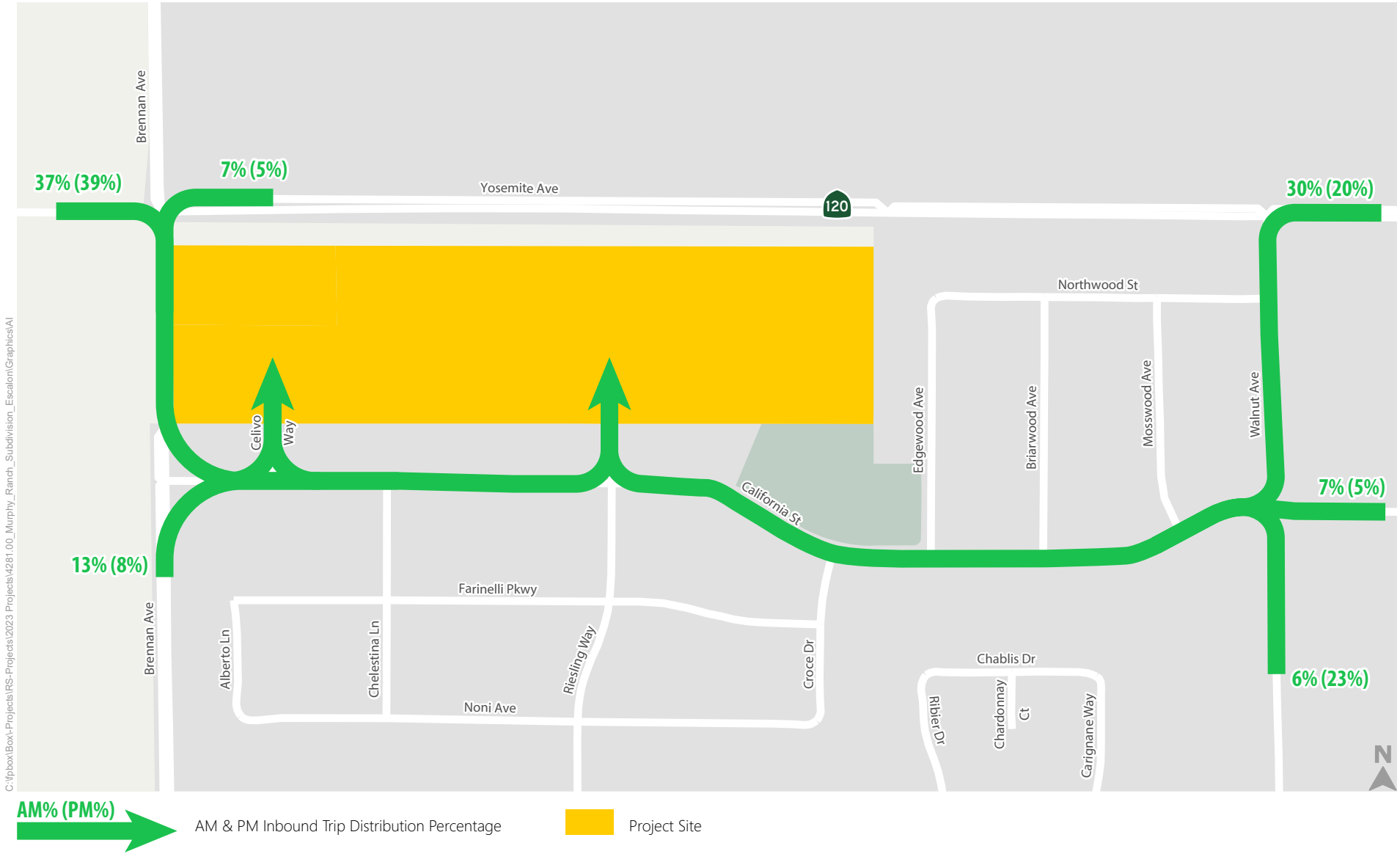


Figure 1

Inbound Project Trip Distribution

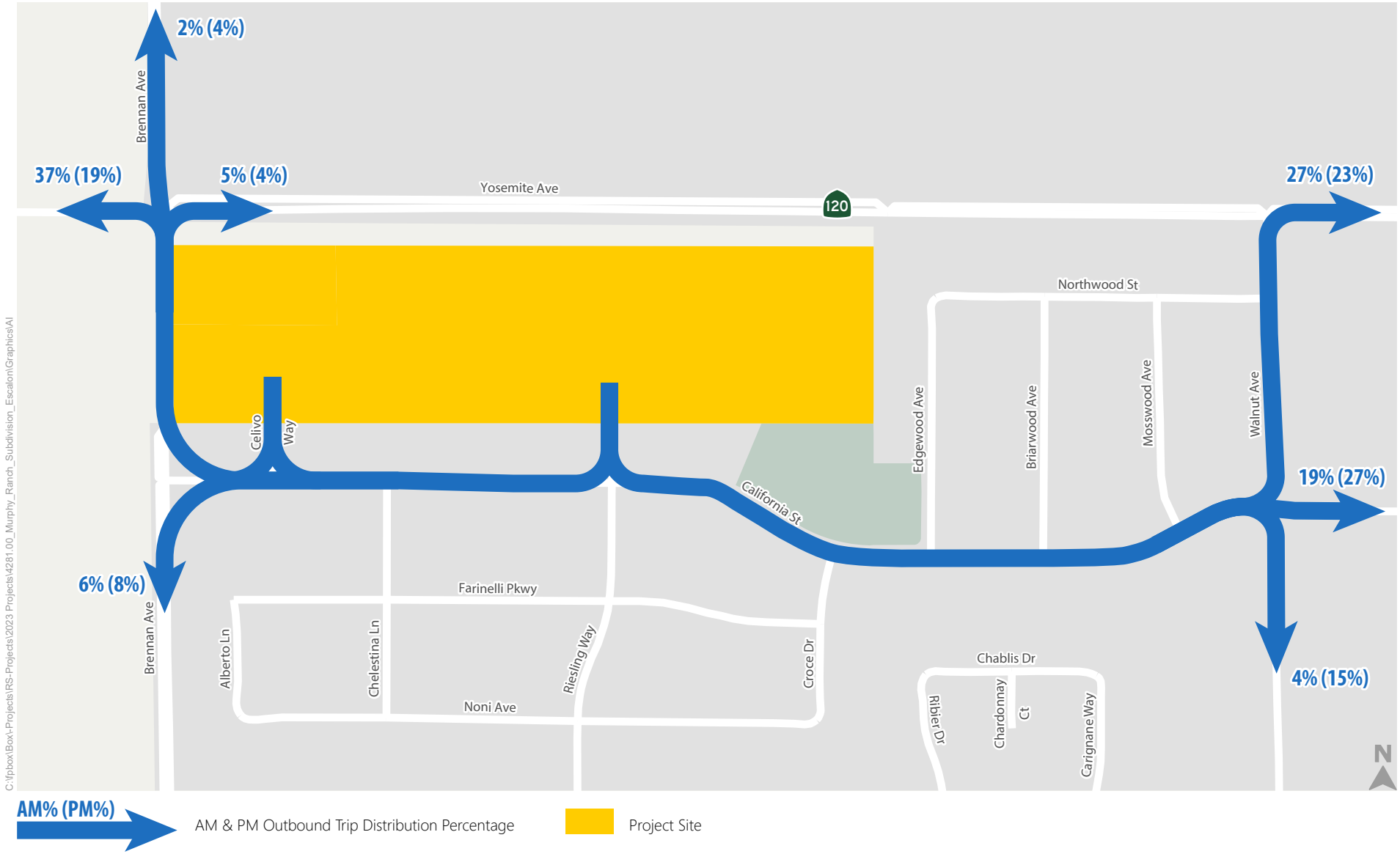
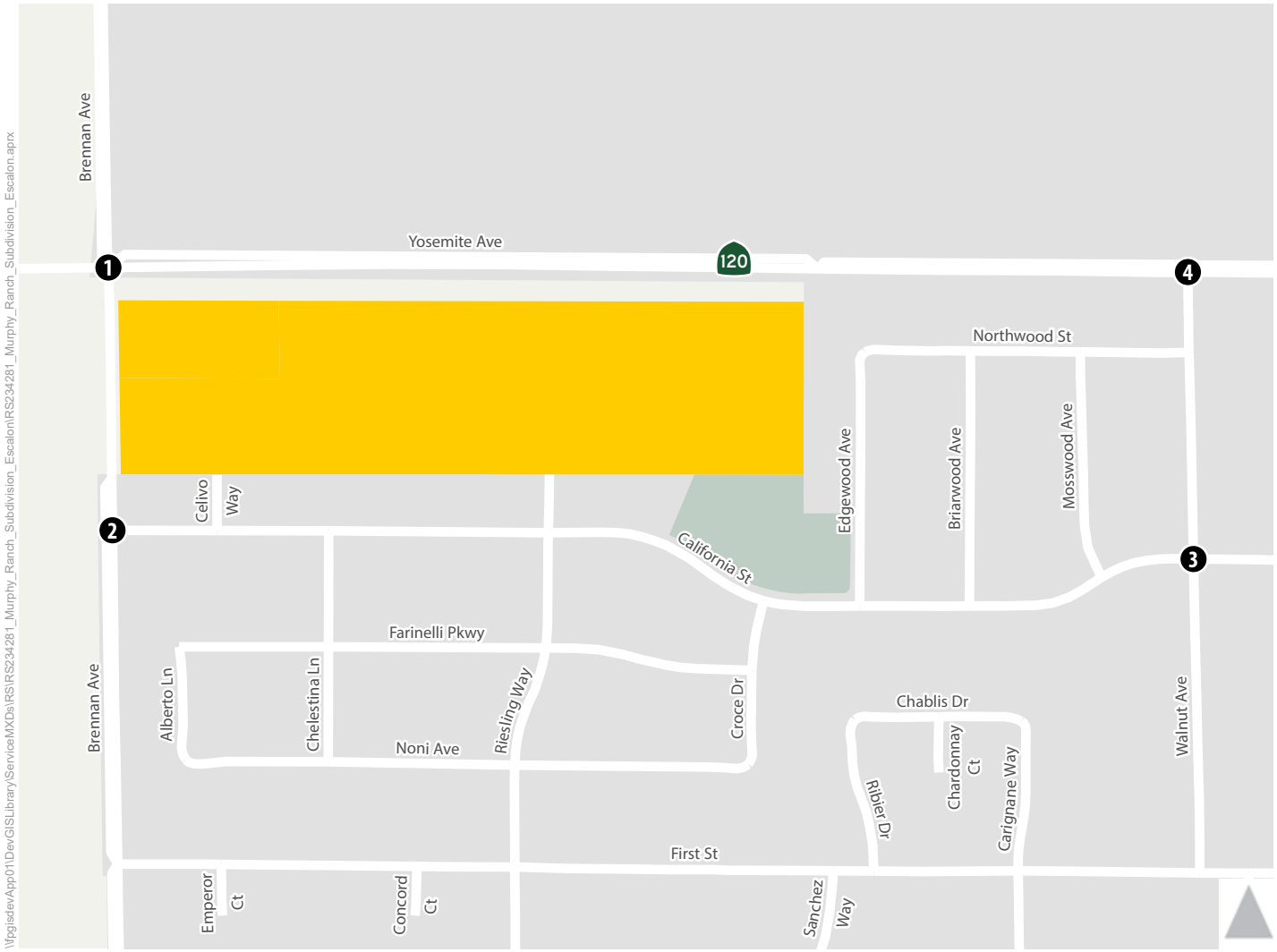
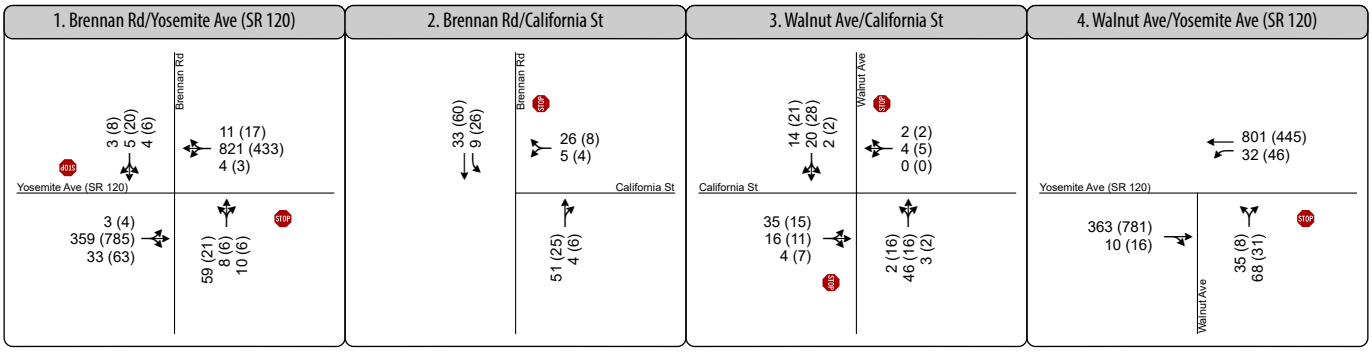


Figure 2

Outbound Project Trip Distribution





1 Study Intersection

Project Site

Park

Escalon City Limits

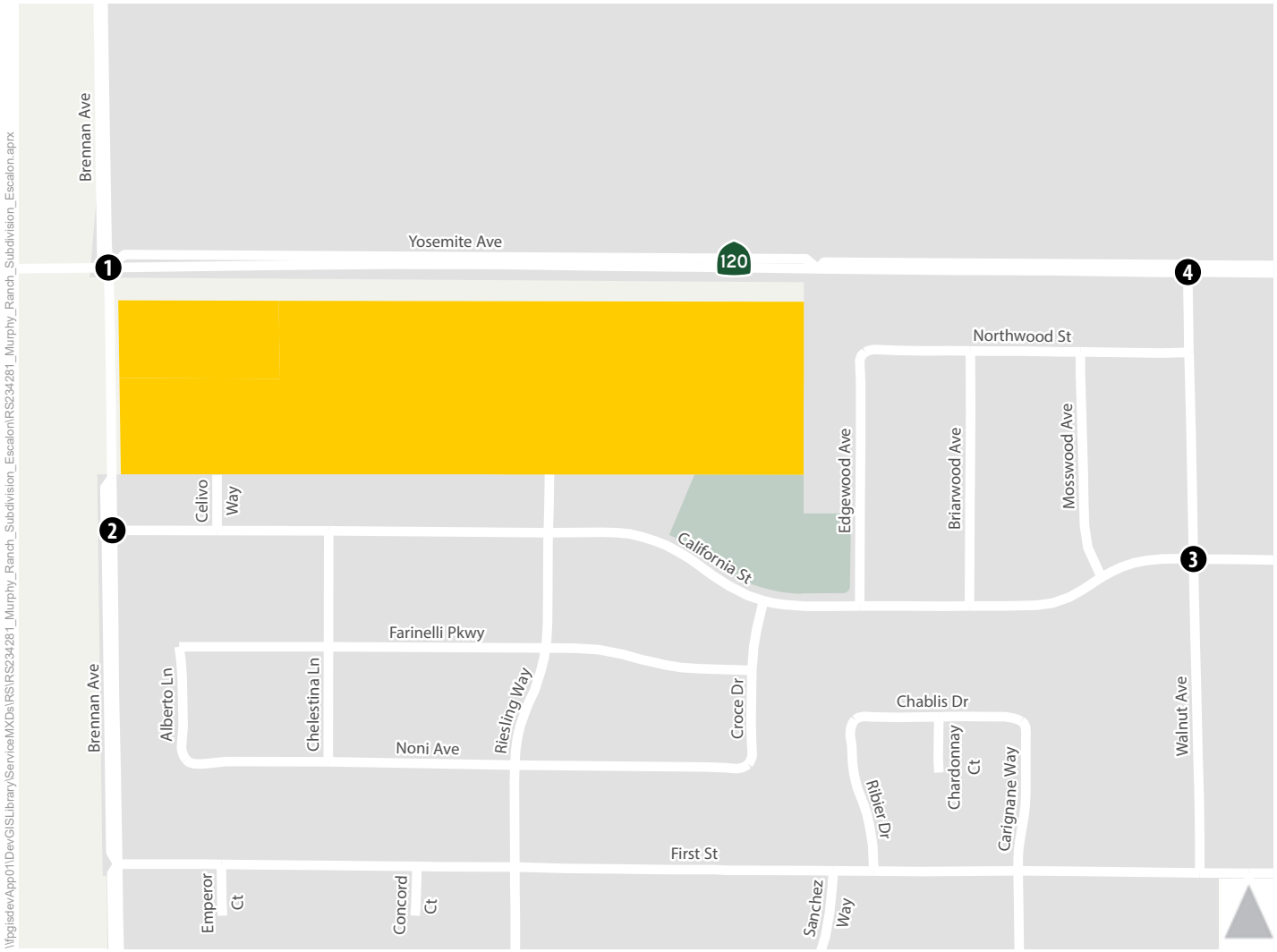
Turn Lane

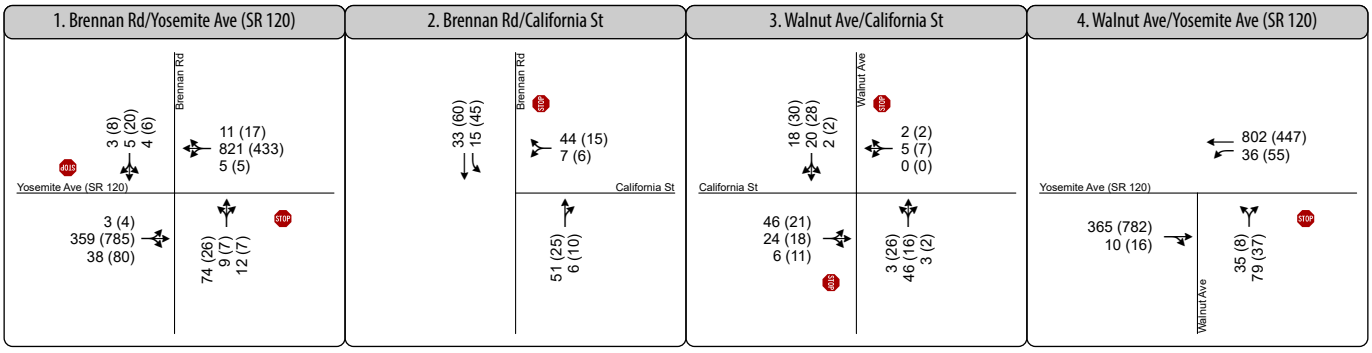
AM (PM) Peak Hour Traffic Volume

Stop Sign

Figure 3

Peak Hour Traffic Volumes and Lane Configurations - Existing Conditions





1 Study Intersection

Project Site

Park

Escalon City Limits

Turn Lane

AM (PM) Peak Hour Traffic Volume

STOP Stop Sign

Figure 4

Peak Hour Traffic Volumes and Lane Configurations - Existing Plus Project Conditions

ATTACHMENT 1

Caltrans District 10 -- Freeway & Highway Operations
1976 E Martin Luther King Jr. Blvd

Stockton, California, United States 95205
209-986-9254 sang.huynh@dot.ca.gov

Count Name: SJ-120-15.86/Brennan Rd
Site Code:
Start Date: 12/03/2024

Turning Movement Data

Start Time	NB Brennan Rd Northbound						SB Brennan Rd Southbound						EB SR 120 Eastbound						WB SR 120 Westbound						
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Int. Total
6:00 AM	3	1	2	0	0	6	0	1	0	0	0	1	1	42	3	0	0	46	0	122	1	0	0	123	176
6:15 AM	7	3	0	0	0	10	0	0	0	0	0	0	1	62	1	0	0	64	0	150	1	0	0	151	225
6:30 AM	9	0	0	0	0	9	2	2	3	0	0	7	2	75	6	0	0	83	0	168	0	0	0	168	267
6:45 AM	13	1	2	0	0	16	0	0	3	0	0	3	0	70	7	0	0	77	0	177	1	0	0	178	274
Hourly Total	32	5	4	0	0	41	2	3	6	0	0	11	4	249	17	0	0	270	0	617	3	0	0	620	942
7:00 AM	10	0	0	0	0	10	0	0	0	0	0	0	1	74	2	0	0	77	1	202	1	0	0	204	291
7:15 AM	16	2	2	0	0	20	0	0	1	0	0	1	0	74	3	0	0	77	0	178	5	0	0	183	281
7:30 AM	14	2	1	0	0	17	3	1	0	0	0	4	1	85	5	0	0	91	0	197	0	0	0	197	309
7:45 AM	16	3	5	0	0	24	2	1	0	0	0	3	0	107	13	0	0	120	2	206	2	0	0	210	357
Hourly Total	56	7	8	0	0	71	5	2	1	0	0	8	2	340	23	0	0	365	3	783	8	0	0	794	1238
8:00 AM	13	3	2	0	0	18	3	3	0	0	0	6	1	82	10	0	0	93	3	145	6	0	0	154	271
8:15 AM	10	0	0	0	0	10	1	2	2	0	0	5	1	96	6	0	0	103	1	154	3	0	0	158	276
8:30 AM	2	3	0	0	0	5	1	4	2	0	0	7	0	100	4	0	0	104	0	119	3	0	0	122	238
8:45 AM	6	3	0	0	0	9	1	2	0	0	0	3	1	68	2	0	0	71	0	104	1	0	0	105	188
Hourly Total	31	9	2	0	0	42	6	11	4	0	0	21	3	346	22	0	0	371	4	522	13	0	0	539	973
9:00 AM	9	0	1	0	0	10	1	0	1	0	0	2	1	66	2	0	0	69	1	105	2	0	0	108	189
9:15 AM	4	1	0	0	0	5	2	1	1	0	0	4	1	83	2	0	0	86	0	87	0	0	0	87	182
9:30 AM	8	2	1	0	0	11	1	0	0	0	0	1	0	77	2	0	0	79	0	101	0	0	0	101	192
9:45 AM	7	0	2	0	0	9	0	0	0	0	0	0	3	100	3	0	0	106	2	84	2	0	0	88	203
Hourly Total	28	3	4	0	0	35	4	1	2	0	0	7	5	326	9	0	0	340	3	377	4	0	0	384	766
10:00 AM	5	0	0	0	0	5	0	2	1	1	0	4	2	89	3	0	0	94	1	89	0	0	0	90	193
10:15 AM	6	0	0	0	0	6	2	0	2	0	0	4	0	86	7	0	0	93	0	87	2	0	0	89	192
10:30 AM	3	1	0	0	0	4	0	1	0	0	0	1	1	81	6	0	0	88	0	81	1	0	0	82	175
10:45 AM	2	0	2	0	0	4	1	0	0	0	0	1	0	89	3	0	0	92	0	73	0	0	0	73	170
Hourly Total	16	1	2	0	0	19	3	3	3	1	0	10	3	345	19	0	0	367	1	330	3	0	0	334	730
11:00 AM	6	0	2	0	0	8	0	2	0	0	0	2	2	93	5	0	0	100	0	84	1	0	0	85	195
11:15 AM	2	2	0	0	0	4	1	2	0	0	0	3	0	93	2	0	0	95	1	86	3	0	0	90	192
11:30 AM	5	0	1	0	0	6	0	0	0	0	0	0	1	98	16	0	0	115	1	83	0	0	0	84	205
11:45 AM	4	0	1	0	0	5	2	4	2	0	0	8	2	95	2	0	0	99	3	83	4	0	0	90	202
Hourly Total	17	2	4	0	0	23	3	8	2	0	0	13	5	379	25	0	0	409	5	336	8	0	0	349	794
12:00 PM	5	0	0	0	0	5	2	2	3	0	0	7	2	119	9	0	0	130	1	95	3	0	0	99	241
12:15 PM	2	0	0	0	0	2	0	1	2	0	0	3	2	143	11	0	0	156	0	112	2	0	0	114	275
12:30 PM	4	1	1	0	0	6	2	0	2	0	0	4	0	83	10	0	0	93	3	106	1	0	0	110	213
12:45 PM	1	1	0	0	0	2	1	2	0	0	0	3	0	108	0	0	0	108	0	98	2	0	0	100	213
Hourly Total	12	2	1	0	0	15	5	5	7	0	0	17	4	453	30	0	0	487	4	411	8	0	0	423	942
1:00 PM	1	0	0	0	0	1	1	2	1	0	0	4	1	84	6	0	0	91	2	100	1	0	0	103	199
1:15 PM	4	1	1	0	0	6	2	1	0	0	1	3	0	103	5	0	0	108	1	131	5	0	0	137	254
1:30 PM	12	2	2	0	0	16	3	1	2	0	0	6	2	104	8	0	0	114	0	98	2	0	0	100	236

1:45 PM	7	0	1	0	0	8	0	2	1	0	0	3	0	104	3	0	0	107	0	124	3	0	0	127	245
Hourly Total	24	3	4	0	0	31	6	6	4	0	1	16	3	395	22	0	0	420	3	453	11	0	0	467	934
2:00 PM	5	2	3	0	0	10	2	2	1	0	0	5	1	121	7	0	0	129	3	96	1	0	0	100	244
2:15 PM	3	1	0	0	0	4	1	2	0	0	0	3	1	155	24	0	0	180	1	85	2	0	0	88	275
2:30 PM	7	1	0	0	0	8	0	2	2	0	0	4	1	118	15	0	0	134	0	99	1	0	0	100	246
2:45 PM	3	0	4	0	0	7	2	2	0	0	0	4	1	152	9	0	0	162	0	129	4	0	0	133	306
Hourly Total	18	4	7	0	0	29	5	8	3	0	0	16	4	546	55	0	0	605	4	409	8	0	0	421	1071
3:00 PM	5	1	0	0	0	6	1	2	2	0	0	5	0	170	16	0	0	186	1	113	4	0	0	118	315
3:15 PM	8	6	3	0	0	17	2	2	2	0	0	6	0	162	11	0	0	173	3	121	7	0	0	131	327
3:30 PM	12	1	2	0	0	15	1	6	4	0	0	11	1	161	17	0	0	179	2	119	8	0	0	129	334
3:45 PM	6	4	1	0	0	11	0	5	1	0	0	6	4	178	14	0	0	196	1	117	6	0	0	124	337
Hourly Total	31	12	6	0	0	49	4	15	9	0	0	28	5	671	58	0	0	734	7	470	25	0	0	502	1313
4:00 PM	10	1	0	0	0	11	1	5	4	0	0	10	2	185	21	0	0	208	0	80	4	0	0	84	313
4:15 PM	2	1	3	0	0	6	0	5	3	0	0	8	0	194	18	0	0	212	1	111	1	0	0	113	339
4:30 PM	2	0	3	0	0	5	2	1	0	0	0	3	3	189	19	0	0	211	2	101	3	0	0	106	325
4:45 PM	4	3	0	0	0	7	4	3	1	0	0	8	0	214	19	0	0	233	0	71	0	0	0	71	319
Hourly Total	18	5	6	0	0	29	7	14	8	0	0	29	5	782	77	0	0	864	3	363	8	0	0	374	1296
5:00 PM	8	0	1	0	0	9	1	7	2	0	0	10	0	193	15	0	0	208	1	93	5	0	0	99	326
5:15 PM	4	1	1	0	0	6	2	6	2	0	0	10	2	168	18	0	0	188	4	120	6	0	0	130	334
5:30 PM	8	2	3	0	0	13	1	2	0	0	0	3	2	171	10	0	0	183	1	97	4	0	0	102	301
5:45 PM	5	0	1	0	0	6	3	3	0	0	0	6	0	160	17	0	0	177	1	73	3	0	0	77	266
Hourly Total	25	3	6	0	0	34	7	18	4	0	0	29	4	692	60	0	0	756	7	383	18	0	0	408	1227
6:00 PM	2	0	2	0	0	4	2	2	0	0	0	4	1	122	15	0	0	138	0	64	1	0	0	65	211
6:15 PM	3	2	0	0	0	5	1	3	0	0	0	4	1	120	5	0	0	126	1	67	3	0	0	71	206
6:30 PM	3	0	0	0	0	3	2	1	2	0	0	5	0	71	7	0	0	78	1	67	4	0	0	72	158
6:45 PM	2	0	2	0	0	4	2	1	1	0	0	4	0	90	6	0	0	96	2	40	4	0	0	46	150
Hourly Total	10	2	4	0	0	16	7	7	3	0	0	17	2	403	33	0	0	438	4	238	12	0	0	254	725
7:00 PM	0	0	1	0	0	1	1	0	1	0	0	2	1	77	1	0	0	79	1	37	1	0	0	39	121
7:15 PM	1	1	0	0	0	2	0	1	0	0	0	1	0	54	4	0	0	58	0	47	1	0	0	48	109
7:30 PM	0	0	0	0	0	0	0	2	0	0	0	2	1	63	3	0	0	67	0	41	2	0	0	43	112
7:45 PM	0	0	0	0	0	0	0	2	0	0	0	2	1	49	3	0	0	53	0	40	0	0	0	40	95
Hourly Total	1	1	1	0	0	3	1	5	1	0	0	7	3	243	11	0	0	257	1	165	4	0	0	170	437
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00 AM	1	1	0	0	0	2	0	0	2	0	0	2	0	42	3	0	0	45	0	133	0	0	0	133	182
6:15 AM	9	1	0	0	0	10	0	0	0	0	0	0	0	54	2	0	0	56	0	112	3	0	0	115	181
6:30 AM	15	0	0	0	0	15	2	2	0	0	0	4	2	71	3	0	0	76	2	211	0	0	0	213	308
6:45 AM	14	3	1	0	0	18	0	0	2	0	0	2	2	85	10	0	0	97	0	138	2	0	0	140	257
Hourly Total	39	5	1	0	0	45	2	2	4	0	0	8	4	252	18	0	0	274	2	594	5	0	0	601	928
7:00 AM	3	0	1	0	0	4	0	1	1	0	0	2	2	65	2	0	0	69	0	174	3	0	0	177	252
7:15 AM	11	2	1	0	0	14	1	0	2	0	0	3	0	77	6	0	0	83	0	202	2	0	0	204	304
7:30 AM	15	3	2	0	0	20	1	0	2	0	0	3	1	79	4	0	0	84	0	190	3	0	0	193	300
7:45 AM	17	0	5	0	0	22	2	2	0	0	0	4	2	99	9	0	0	110	1	203	0	0	0	204	340
Hourly Total	46	5	9	0	0	60	4	3	5	0	0	12	5	320	21	0	0	346	1	769	8	0	0	778	1196
8:00 AM	8	3	1	0	0	12	1	3	1	0	0	5	0	120	7	0	0	127	2	168	6	0	0	176	320
8:15 AM	6	2	0	0	0	8	1	2	2	0	0	5	3	91	3	0	0	97	2	139	5	0	0	146	256
8:30 AM	7	3	1	0	0	11	3	1	1	0	0	5	1	101	4	0	0	106	1	141	1	0	0	143	265
8:45 AM	6	0	3	0	0	9	0	1	0	0	0	1	4	84	5	0	0	93	4	102	2	0	0	108	211
Hourly Total	27	8	5	0	0	40	5	7	4	0	0	16	8	396	19	0	0	423	9	550	14	0	0	573	1052
9:00 AM	6	3	0	0	0	9	1	0	0	0	0	1	0	82	2	0	0	84	0	89	0	0	0	89	183
9:15 AM	3	1	0	0	0	4	1	0	1	0	0	2	0	77	6	0	0	83	0	114	3	0	0	117	206
9:30 AM	8	0	0	0	0	8	1	3	0	0	0	4	0	81	5	0	0	86	0	95	1	0	0	96	194
9:45 AM	4	1	1	0	0	6	2	7	1	0	0	10	0	101	3	0	0	104	0	86	0	0	0	86	206

Hourly Total	21	5	1	0	0	27	5	10	2	0	0	17	0	341	16	0	0	357	0	384	4	0	0	388	789
10:00 AM	4	1	1	0	4	6	0	0	0	0	0	0	0	66	4	0	0	70	0	107	3	0	0	110	186
10:15 AM	8	1	4	0	2	13	3	1	0	0	0	4	1	75	4	0	0	80	0	91	3	0	0	94	191
10:30 AM	2	0	2	0	0	4	2	2	3	0	0	7	1	71	10	0	0	82	0	104	1	0	0	105	198
10:45 AM	4	2	1	0	0	7	1	1	2	0	0	4	0	83	3	0	0	86	0	72	0	0	0	72	169
Hourly Total	18	4	8	0	6	30	6	4	5	0	0	15	2	295	21	0	0	318	0	374	7	0	0	381	744
11:00 AM	8	0	0	0	0	8	2	1	3	0	0	6	1	96	4	0	0	101	0	79	2	0	0	81	196
11:15 AM	5	0	1	0	0	6	0	1	0	0	0	1	2	98	9	0	0	109	1	75	6	0	0	82	198
11:30 AM	4	1	1	0	0	6	0	3	1	0	0	4	0	87	6	0	0	93	2	99	4	0	0	105	208
11:45 AM	5	1	2	0	0	8	0	3	1	0	0	4	1	83	8	0	0	92	0	123	3	0	0	126	230
Hourly Total	22	2	4	0	0	28	2	8	5	0	0	15	4	364	27	0	0	395	3	376	15	0	0	394	832
12:00 PM	4	4	1	0	0	9	1	0	0	0	0	1	0	81	4	0	0	85	0	74	4	0	0	78	173
12:15 PM	5	0	1	0	0	6	4	0	2	0	0	6	2	97	3	0	0	102	1	87	1	0	0	89	203
12:30 PM	2	3	1	0	0	6	0	2	1	0	0	3	2	101	10	0	0	113	0	84	2	0	0	86	208
12:45 PM	3	0	0	0	0	3	0	1	2	0	0	3	1	103	5	0	0	109	1	81	4	0	0	86	201
Hourly Total	14	7	3	0	0	24	5	3	5	0	0	13	5	382	22	0	0	409	2	326	11	0	0	339	785
1:00 PM	5	2	0	0	0	7	0	2	3	0	0	5	3	112	5	1	0	121	0	103	0	0	0	103	236
1:15 PM	3	0	1	0	0	4	2	1	0	0	0	3	0	94	9	0	0	103	1	102	1	0	0	104	214
1:30 PM	8	2	0	0	0	10	0	3	0	0	0	3	0	99	11	0	0	110	0	127	2	0	0	129	252
1:45 PM	15	0	2	0	0	17	1	1	3	0	0	5	1	82	4	0	0	87	1	89	1	0	0	91	200
Hourly Total	31	4	3	0	0	38	3	7	6	0	0	16	4	387	29	1	0	421	2	421	4	0	0	427	902
2:00 PM	5	0	0	0	0	5	4	2	3	0	0	9	2	138	10	0	1	150	1	94	4	0	0	99	263
2:15 PM	7	2	0	0	0	9	0	4	1	0	0	5	2	129	26	0	0	157	1	108	2	0	0	111	282
2:30 PM	4	1	0	0	0	5	2	2	1	0	0	5	0	129	7	0	0	136	0	142	2	0	0	144	290
2:45 PM	6	2	2	0	0	10	0	4	1	0	0	5	0	178	20	0	0	198	0	105	0	0	0	105	318
Hourly Total	22	5	2	0	0	29	6	12	6	0	0	24	4	574	63	0	1	641	2	449	8	0	0	459	1153
3:00 PM	7	1	0	0	0	8	3	4	4	0	0	11	0	160	12	0	0	172	0	122	3	0	0	125	316
3:15 PM	8	2	2	0	0	12	1	2	1	0	0	4	1	150	13	0	0	164	0	121	5	0	0	126	306
3:30 PM	6	0	0	0	0	6	0	5	2	0	0	7	1	170	17	0	0	188	3	120	4	0	0	127	328
3:45 PM	6	2	2	0	0	10	1	4	2	0	0	7	1	171	17	0	0	189	1	112	5	0	0	118	324
Hourly Total	27	5	4	0	0	36	5	15	9	0	0	29	3	651	59	0	0	713	4	475	17	0	0	496	1274
4:00 PM	4	2	1	0	0	7	0	1	2	0	0	3	0	200	20	0	0	220	1	74	5	0	0	80	310
4:15 PM	2	2	1	0	0	5	1	10	2	0	0	13	0	196	28	0	0	224	4	93	2	0	0	99	341
4:30 PM	2	0	0	0	0	2	1	8	0	0	0	9	0	182	17	0	0	199	0	94	5	0	0	99	309
4:45 PM	5	1	1	0	0	7	3	5	1	0	0	9	0	205	13	0	0	218	0	116	2	0	0	118	352
Hourly Total	13	5	3	0	0	21	5	24	5	0	0	34	0	783	78	0	0	861	5	377	14	0	0	396	1312
5:00 PM	5	1	0	0	0	6	3	4	1	0	0	8	0	162	16	0	0	178	0	97	4	0	0	101	293
5:15 PM	2	3	2	0	0	7	4	4	4	0	0	12	0	205	14	0	0	219	0	124	4	0	0	128	366
5:30 PM	2	1	3	0	0	6	2	5	0	0	0	7	2	185	12	0	0	199	1	90	2	0	0	93	305
5:45 PM	4	1	3	0	0	8	0	2	1	0	0	3	1	159	8	0	0	168	2	77	1	0	0	80	259
Hourly Total	13	6	8	0	0	27	9	15	6	0	0	30	3	711	50	0	0	764	3	388	11	0	0	402	1223
6:00 PM	3	2	0	0	0	5	0	1	0	0	0	1	1	92	11	0	0	104	1	69	4	0	0	74	184
6:15 PM	2	1	0	0	0	3	0	5	0	0	0	5	1	65	3	0	0	69	0	66	1	0	0	67	144
6:30 PM	6	2	1	0	0	9	1	2	0	0	0	3	0	138	12	0	0	150	1	64	2	0	0	67	229
6:45 PM	3	2	1	0	0	6	0	0	0	0	0	0	1	89	11	0	0	101	2	43	2	0	0	47	154
Hourly Total	14	7	2	0	0	23	1	8	0	0	0	9	3	384	37	0	0	424	4	242	9	0	0	255	711
7:00 PM	2	1	2	0	0	5	3	2	1	0	0	6	0	93	5	0	0	98	0	45	2	0	0	47	156
7:15 PM	3	0	1	0	0	4	2	1	0	0	0	3	0	63	3	0	0	66	0	54	1	0	0	55	128
7:30 PM	1	2	0	0	0	3	1	0	0	0	0	1	0	58	7	0	0	65	1	48	2	0	0	51	120
7:45 PM	1	0	1	0	0	2	0	2	0	0	0	2	0	56	3	0	0	59	2	49	3	0	0	54	117
Hourly Total	7	3	4	0	0	14	6	5	1	0	0	12	0	270	18	0	0	288	3	196	8	0	0	207	521
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

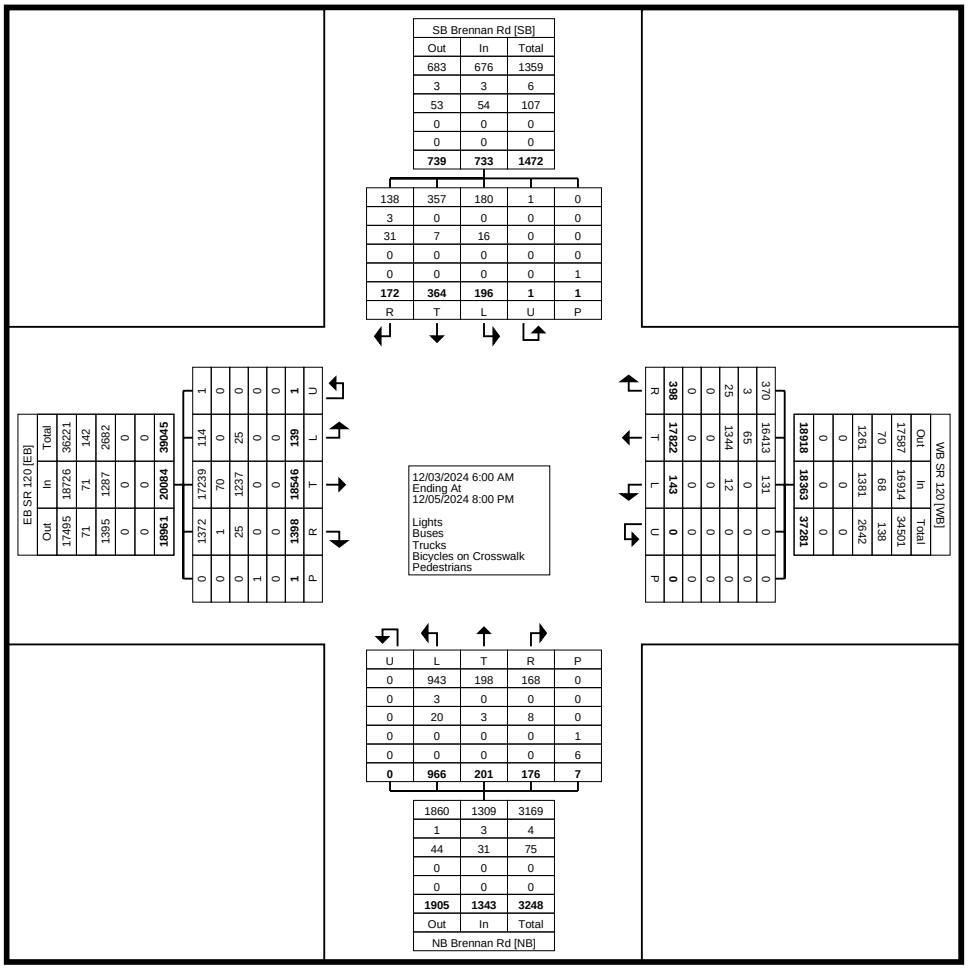
6:00 AM	2	1	1	0	0	4	0	0	1	0	0	1	0	46	2	0	0	48	0	147	0	0	0	147	200
6:15 AM	9	0	0	0	0	9	0	2	1	0	0	3	1	65	3	0	0	69	0	153	3	0	0	156	237
6:30 AM	13	1	0	0	0	14	2	2	1	0	0	5	1	70	4	0	0	75	0	180	0	0	0	180	274
6:45 AM	10	0	1	0	0	11	1	3	2	0	0	6	1	74	5	0	0	80	0	180	3	0	0	183	280
Hourly Total	34	2	2	0	0	38	3	7	5	0	0	15	3	255	14	0	0	272	0	660	6	0	0	666	991
7:00 AM	12	0	1	0	0	13	0	1	1	0	0	2	1	64	7	0	0	72	2	190	2	0	0	194	281
7:15 AM	15	0	1	0	0	16	0	2	0	0	0	2	0	72	9	0	0	81	0	226	2	0	0	228	327
7:30 AM	16	1	2	0	0	19	0	0	2	0	0	2	3	69	7	0	0	79	0	185	2	0	0	187	287
7:45 AM	16	3	2	0	0	21	1	3	2	0	0	6	0	110	16	0	0	126	5	205	3	0	0	213	366
Hourly Total	59	4	6	0	0	69	1	6	5	0	0	12	4	315	39	0	0	358	7	806	9	0	0	822	1261
8:00 AM	12	2	6	0	0	20	2	4	0	0	0	6	1	111	7	0	0	119	2	159	6	0	0	167	312
8:15 AM	7	2	2	0	0	11	1	5	0	0	0	6	2	100	8	0	0	110	0	134	2	0	0	136	263
8:30 AM	11	3	0	0	0	14	1	2	1	0	0	4	1	85	4	0	0	90	1	112	3	0	0	116	224
8:45 AM	6	1	0	0	0	7	0	1	0	0	0	1	1	82	4	0	0	87	0	88	2	0	0	90	185
Hourly Total	36	8	8	0	0	52	4	12	1	0	0	17	5	378	23	0	0	406	3	493	13	0	0	509	984
9:00 AM	4	2	1	0	0	7	1	3	0	0	0	4	0	71	3	0	0	74	1	97	1	0	0	99	184
9:15 AM	8	0	2	0	0	10	0	1	0	0	0	1	1	71	7	0	0	79	0	105	2	0	0	107	197
9:30 AM	5	1	0	0	0	6	1	2	1	0	0	4	0	106	7	0	0	113	1	95	1	0	0	97	220
9:45 AM	2	0	1	0	0	3	1	1	1	0	0	3	0	72	7	0	0	79	1	102	3	0	0	106	191
Hourly Total	19	3	4	0	0	26	3	7	2	0	0	12	1	320	24	0	0	345	3	399	7	0	0	409	792
10:00 AM	8	0	1	0	0	9	3	4	0	0	0	7	1	101	4	0	0	106	1	91	3	0	0	95	217
10:15 AM	1	0	0	0	0	1	1	1	2	0	0	4	0	99	6	0	0	105	0	65	0	0	0	65	175
10:30 AM	4	0	0	0	0	4	0	0	3	0	0	3	0	83	3	0	0	86	1	105	3	0	0	109	202
10:45 AM	7	3	3	0	0	13	0	0	0	0	0	0	3	95	6	0	0	104	3	32	2	0	0	37	154
Hourly Total	20	3	4	0	0	27	4	5	5	0	0	14	4	378	19	0	0	401	5	293	8	0	0	306	748
11:00 AM	11	2	2	0	0	15	2	4	2	0	0	8	0	87	3	0	0	90	2	112	7	0	0	121	234
11:15 AM	2	3	1	0	0	6	3	0	0	0	0	3	0	83	6	0	0	89	1	79	0	0	0	80	178
11:30 AM	2	1	0	0	0	3	1	3	0	0	0	4	2	104	2	0	0	108	0	78	2	0	0	80	195
11:45 AM	10	1	1	0	0	12	1	1	3	0	0	5	1	81	6	0	0	88	0	140	0	0	0	140	245
Hourly Total	25	7	4	0	0	36	7	8	5	0	0	20	3	355	17	0	0	375	3	409	9	0	0	421	852
12:00 PM	2	3	1	0	0	6	3	2	0	0	0	5	1	87	8	0	0	96	3	99	3	0	0	105	212
12:15 PM	1	4	1	0	0	6	1	0	0	0	0	1	1	99	5	0	0	105	1	95	2	0	0	98	210
12:30 PM	3	1	0	0	0	4	0	2	3	0	0	5	0	93	9	0	0	102	0	115	2	0	0	117	228
12:45 PM	2	1	2	0	0	5	1	0	1	0	0	2	1	114	2	0	0	117	1	104	2	0	0	107	231
Hourly Total	8	9	4	0	0	21	5	4	4	0	0	13	3	393	24	0	0	420	5	413	9	0	0	427	881
1:00 PM	7	0	0	0	0	7	3	3	0	0	0	6	1	110	8	0	0	119	1	104	5	0	0	110	242
1:15 PM	4	2	0	0	0	6	1	0	1	0	0	2	0	109	9	0	0	118	1	87	5	0	0	93	219
1:30 PM	8	0	2	0	0	10	1	4	0	0	0	5	0	106	8	0	0	114	0	119	2	0	0	121	250
1:45 PM	10	0	1	0	0	11	0	1	0	0	0	1	0	116	5	0	0	121	1	102	0	0	0	103	236
Hourly Total	29	2	3	0	0	34	5	8	1	0	0	14	1	441	30	0	0	472	3	412	12	0	0	427	947
2:00 PM	11	0	0	0	0	11	0	0	0	0	0	0	2	162	11	0	0	175	1	107	2	0	0	110	296
2:15 PM	5	1	1	0	0	7	1	7	0	0	0	8	0	157	16	0	0	173	1	103	3	0	0	107	295
2:30 PM	5	3	1	0	0	9	1	5	2	0	0	8	0	145	9	0	0	154	0	110	2	0	0	112	283
2:45 PM	4	1	1	0	0	6	4	5	1	0	0	10	1	143	11	0	0	155	2	98	4	0	0	104	275
Hourly Total	25	5	3	0	0	33	6	17	3	0	0	26	3	607	47	0	0	657	4	418	11	0	0	433	1149
3:00 PM	4	0	1	0	0	5	2	4	3	0	0	9	1	156	13	0	0	170	1	94	1	0	0	96	280
3:15 PM	14	10	0	0	0	24	3	4	3	0	0	10	0	181	20	0	0	201	2	135	5	0	0	142	377
3:30 PM	12	2	1	0	0	15	1	2	1	0	0	4	3	180	16	0	0	199	0	113	2	0	0	115	333
3:45 PM	5	1	3	0	0	9	0	3	1	0	0	4	0	183	12	0	0	195	1	114	2	0	0	117	325
Hourly Total	35	13	5	0	0	53	6	13	8	0	0	27	4	700	61	0	0	765	4	456	10	0	0	470	1315
4:00 PM	3	2	2	0	0	7	0	4	3	0	0	7	1	187	12	0	0	200	0	104	5	0	0	109	323
4:15 PM	3	1	5	0	0	9	2	7	1	0	0	10	1	210	12	0	0	223	0	94	5	0	0	99	341

4:30 PM	8	1	1	0	0	10	2	5	0	0	0	7	0	215	18	0	0	233	2	109	3	0	0	114	364
4:45 PM	4	1	2	0	1	7	2	3	1	0	0	6	3	193	12	0	0	208	2	127	4	0	0	133	354
Hourly Total	18	5	10	0	1	33	6	19	5	0	0	30	5	805	54	0	0	864	4	434	17	0	0	455	1382
5:00 PM	4	4	0	0	0	8	1	4	0	0	0	5	0	164	11	0	0	175	1	117	1	0	0	119	307
5:15 PM	5	1	0	0	0	6	3	7	5	0	0	15	1	177	20	0	0	198	2	113	3	0	0	118	337
5:30 PM	0	1	1	0	0	2	3	6	0	0	0	9	2	167	16	0	0	185	1	101	2	0	0	104	300
5:45 PM	4	2	1	0	0	7	0	4	0	0	0	4	0	153	9	0	0	162	2	91	2	0	0	95	268
Hourly Total	13	8	2	0	0	23	7	21	5	0	0	33	3	661	56	0	0	720	6	422	8	0	0	436	1212
6:00 PM	3	0	0	0	0	3	2	1	0	0	0	3	0	105	8	0	0	113	3	78	2	0	0	83	202
6:15 PM	2	1	0	0	0	3	1	1	0	0	0	2	0	102	5	0	0	107	1	67	1	0	0	69	181
6:30 PM	4	0	3	0	0	7	0	1	1	0	0	2	1	82	11	0	0	94	0	56	4	0	0	60	163
6:45 PM	0	1	0	0	0	1	1	1	0	0	0	2	0	82	6	0	0	88	1	45	2	0	0	48	139
Hourly Total	9	2	3	0	0	14	4	4	1	0	0	9	1	371	30	0	0	402	5	246	9	0	0	260	685
7:00 PM	0	0	1	0	0	1	2	1	0	0	0	3	0	85	6	0	0	91	1	51	0	0	0	52	147
7:15 PM	3	0	1	0	0	4	1	1	1	0	0	3	1	78	8	0	0	87	1	53	1	0	0	55	149
7:30 PM	0	0	0	0	0	0	2	1	1	0	0	4	1	65	4	0	0	70	0	44	0	0	0	44	118
7:45 PM	0	0	0	0	0	0	1	1	0	0	0	2	0	59	3	0	0	62	0	35	1	0	0	36	100
Hourly Total	3	0	2	0	0	5	6	4	2	0	0	12	2	287	21	0	0	310	2	183	2	0	0	187	514
Grand Total	966	201	176	0	7	1343	196	364	172	1	1	733	139	18546	1398	1	1	20084	143	17822	398	0	0	18363	40523
Approach %	71.9	15.0	13.1	0.0	-	-	26.7	49.7	23.5	0.1	-	-	0.7	92.3	7.0	0.0	-	-	0.8	97.1	2.2	0.0	-	-	-
Total %	2.4	0.5	0.4	0.0	-	3.3	0.5	0.9	0.4	0.0	-	1.8	0.3	45.8	3.4	0.0	-	49.6	0.4	44.0	1.0	0.0	-	45.3	-
Lights	943	198	168	0	-	1309	180	357	138	1	-	676	114	17239	1372	1	-	18726	131	16413	370	0	-	16914	37625
% Lights	97.6	98.5	95.5	-	-	97.5	91.8	98.1	80.2	100.0	-	92.2	82.0	93.0	98.1	100.0	-	93.2	91.6	92.1	93.0	-	-	92.1	92.8
Buses	3	0	0	0	-	3	0	0	3	0	-	3	0	70	1	0	-	71	0	65	3	0	-	68	145
% Buses	0.3	0.0	0.0	-	-	0.2	0.0	0.0	1.7	0.0	-	0.4	0.0	0.4	0.1	0.0	-	0.4	0.0	0.4	0.8	-	-	0.4	0.4
Trucks	20	3	8	0	-	31	16	7	31	0	-	54	25	1237	25	0	-	1287	12	1344	25	0	-	1381	2753
% Trucks	2.1	1.5	4.5	-	-	2.3	8.2	1.9	18.0	0.0	-	7.4	18.0	6.7	1.8	0.0	-	6.4	8.4	7.5	6.3	-	-	7.5	6.8
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	14.3	-	-	-	-	-	0.0	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	6	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	85.7	-	-	-	-	-	100.0	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-

Caltrans District 10 -- Freeway & Highway Operations
1976 E Martin Luther King Jr. Blvd

Stockton, California, United States 95205
209-986-9254 sang.huynh@dot.ca.gov

Count Name: SJ-120-15.86/Brennan Rd
Site Code:
Start Date: 12/03/2024



Turning Movement Data Plot

Caltrans District 10 -- Freeway & Highway Operations
1976 E Martin Luther King Jr. Blvd

Stockton, California, United States 95205
209-986-9254 sang.huynh@dot.ca.gov

Count Name: SJ-120-15.86/Brennan Rd
Site Code:
Start Date: 12/03/2024

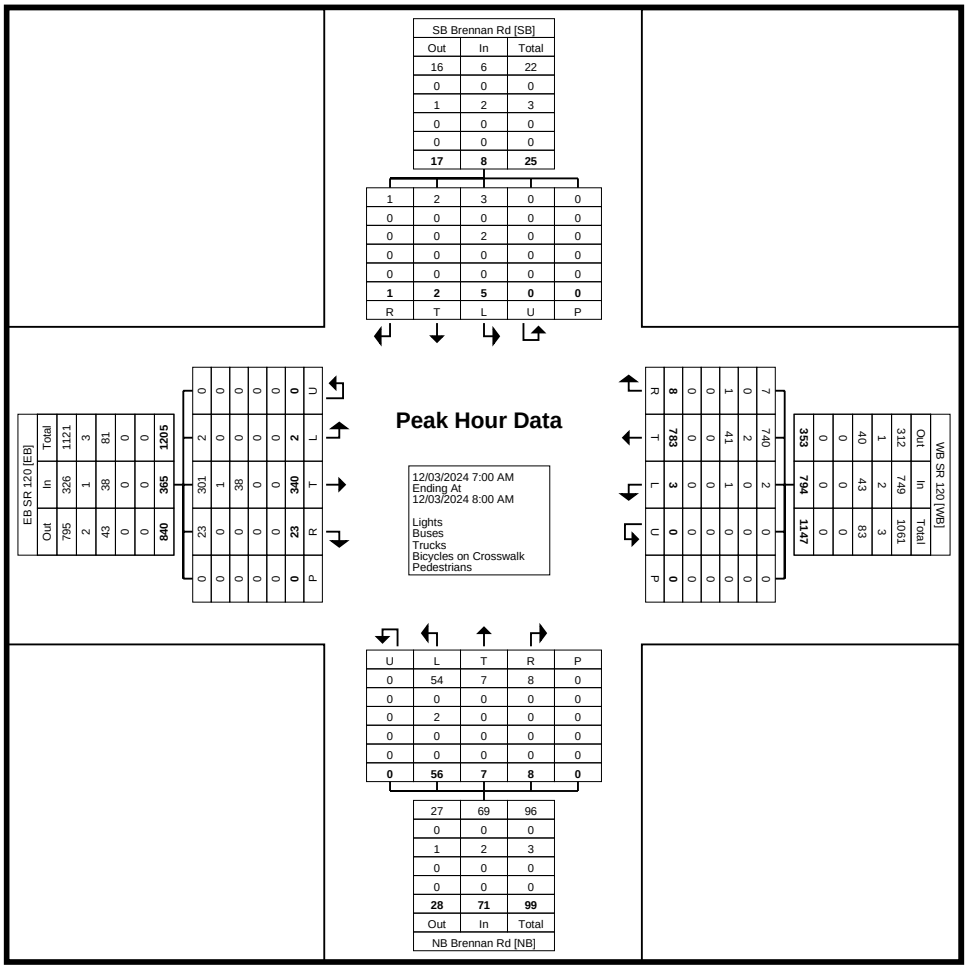
Turning Movement Peak Hour Data (7:00 AM)

Start Time	NB Brennan Rd Northbound						SB Brennan Rd Southbound						EB SR 120 Eastbound						WB SR 120 Westbound						
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Int. Total
7:00 AM	10	0	0	0	0	10	0	0	0	0	0	0	1	74	2	0	0	77	1	202	1	0	0	204	291
7:15 AM	16	2	2	0	0	20	0	0	1	0	0	1	0	74	3	0	0	77	0	178	5	0	0	183	281
7:30 AM	14	2	1	0	0	17	3	1	0	0	0	4	1	85	5	0	0	91	0	197	0	0	0	197	309
7:45 AM	16	3	5	0	0	24	2	1	0	0	0	3	0	107	13	0	0	120	2	206	2	0	0	210	357
Total	56	7	8	0	0	71	5	2	1	0	0	8	2	340	23	0	0	365	3	783	8	0	0	794	1238
Approach %	78.9	9.9	11.3	0.0	-	-	62.5	25.0	12.5	0.0	-	-	0.5	93.2	6.3	0.0	-	-	0.4	98.6	1.0	0.0	-	-	-
Total %	4.5	0.6	0.6	0.0	-	5.7	0.4	0.2	0.1	0.0	-	0.6	0.2	27.5	1.9	0.0	-	29.5	0.2	63.2	0.6	0.0	-	64.1	-
PHF	0.875	0.583	0.400	0.000	-	0.740	0.417	0.500	0.250	0.000	-	0.500	0.500	0.794	0.442	0.000	-	0.760	0.375	0.950	0.400	0.000	-	0.945	0.867
Lights	54	7	8	0	-	69	3	2	1	0	-	6	2	301	23	0	-	326	2	740	7	0	-	749	1150
% Lights	96.4	100.0	100.0	-	-	97.2	60.0	100.0	100.0	-	-	75.0	100.0	88.5	100.0	-	-	89.3	66.7	94.5	87.5	-	-	94.3	92.9
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	1	0	0	-	1	0	2	0	0	-	2	3
% Buses	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.3	0.0	-	-	0.3	0.0	0.3	0.0	-	-	0.3	0.2
Trucks	2	0	0	0	-	2	2	0	0	0	-	2	0	38	0	0	-	38	1	41	1	0	-	43	85
% Trucks	3.6	0.0	0.0	-	-	2.8	40.0	0.0	0.0	-	-	25.0	0.0	11.2	0.0	-	-	10.4	33.3	5.2	12.5	-	-	5.4	6.9
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Caltrans District 10 -- Freeway & Highway Operations
1976 E Martin Luther King Jr. Blvd

Stockton, California, United States 95205
209-986-9254 sang.huynh@dot.ca.gov

Count Name: SJ-120-15.86/Brennan Rd
Site Code:
Start Date: 12/03/2024



Turning Movement Peak Hour Data Plot (7:00 AM)

Caltrans District 10 -- Freeway & Highway Operations
1976 E Martin Luther King Jr. Blvd

Stockton, California, United States 95205
209-986-9254 sang.huynh@dot.ca.gov

Count Name: SJ-120-15.86/Brennan Rd
Site Code:
Start Date: 12/03/2024

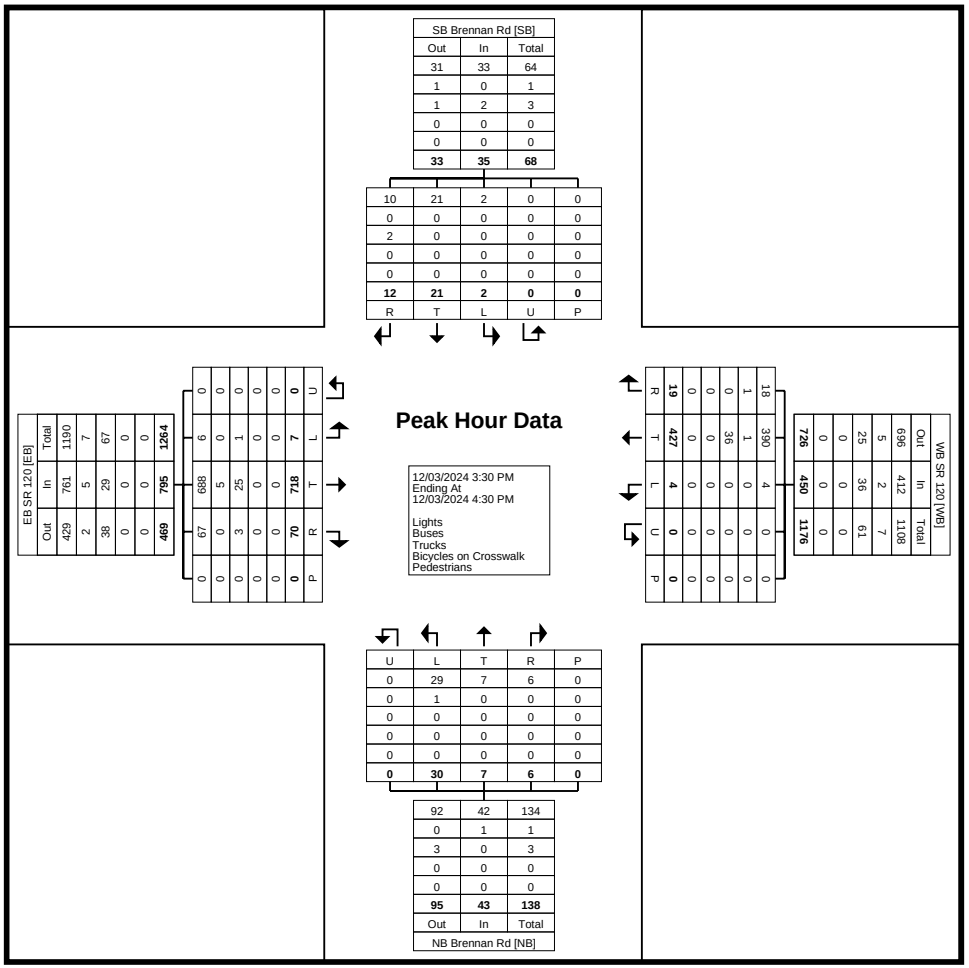
Turning Movement Peak Hour Data (3:30 PM)

Start Time	NB Brennan Rd Northbound						SB Brennan Rd Southbound						EB SR 120 Eastbound						WB SR 120 Westbound						
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Int. Total
3:30 PM	12	1	2	0	0	15	1	6	4	0	0	11	1	161	17	0	0	179	2	119	8	0	0	129	334
3:45 PM	6	4	1	0	0	11	0	5	1	0	0	6	4	178	14	0	0	196	1	117	6	0	0	124	337
4:00 PM	10	1	0	0	0	11	1	5	4	0	0	10	2	185	21	0	0	208	0	80	4	0	0	84	313
4:15 PM	2	1	3	0	0	6	0	5	3	0	0	8	0	194	18	0	0	212	1	111	1	0	0	113	339
Total	30	7	6	0	0	43	2	21	12	0	0	35	7	718	70	0	0	795	4	427	19	0	0	450	1323
Approach %	69.8	16.3	14.0	0.0	-	-	5.7	60.0	34.3	0.0	-	-	0.9	90.3	8.8	0.0	-	-	0.9	94.9	4.2	0.0	-	-	-
Total %	2.3	0.5	0.5	0.0	-	3.3	0.2	1.6	0.9	0.0	-	2.6	0.5	54.3	5.3	0.0	-	60.1	0.3	32.3	1.4	0.0	-	34.0	-
PHF	0.625	0.438	0.500	0.000	-	0.717	0.500	0.875	0.750	0.000	-	0.795	0.438	0.925	0.833	0.000	-	0.938	0.500	0.897	0.594	0.000	-	0.872	0.976
Lights	29	7	6	0	-	42	2	21	10	0	-	33	6	688	67	0	-	761	4	390	18	0	-	412	1248
% Lights	96.7	100.0	100.0	-	-	97.7	100.0	100.0	83.3	-	-	94.3	85.7	95.8	95.7	-	-	95.7	100.0	91.3	94.7	-	-	91.6	94.3
Buses	1	0	0	0	-	1	0	0	0	0	-	0	0	5	0	0	-	5	0	1	1	0	-	2	8
% Buses	3.3	0.0	0.0	-	-	2.3	0.0	0.0	0.0	-	-	0.0	0.0	0.7	0.0	-	-	0.6	0.0	0.2	5.3	-	-	0.4	0.6
Trucks	0	0	0	0	-	0	0	0	2	0	-	2	1	25	3	0	-	29	0	36	0	0	-	36	67
% Trucks	0.0	0.0	0.0	-	-	0.0	0.0	0.0	16.7	-	-	5.7	14.3	3.5	4.3	-	-	3.6	0.0	8.4	0.0	-	-	8.0	5.1
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Caltrans District 10 -- Freeway & Highway Operations
1976 E Martin Luther King Jr. Blvd

Stockton, California, United States 95205
209-986-9254 sang.huynh@dot.ca.gov

Count Name: SJ-120-15.86/Brennan Rd
Site Code:
Start Date: 12/03/2024



Turning Movement Peak Hour Data Plot (3:30 PM)

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Count Name: SJ-120-15.86/Brennan Rd
Site Code:
Start Date: 12/03/2024

Turning Movement Peak Hour Data (7:15 AM)

Start Time	NB Brennan Rd Northbound						SB Brennan Rd Southbound						EB SR 120 Eastbound						WB SR 120 Westbound						Int. Total
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	
7:15 AM	11	2	1	0	0	14	1	0	2	0	0	3	0	77	6	0	0	83	0	202	2	0	0	204	304
7:30 AM	15	3	2	0	0	20	1	0	2	0	0	3	1	79	4	0	0	84	0	190	3	0	0	193	300
7:45 AM	17	0	5	0	0	22	2	2	0	0	0	4	2	99	9	0	0	110	1	203	0	0	0	204	340
8:00 AM	8	3	1	0	0	12	1	3	1	0	0	5	0	120	7	0	0	127	2	168	6	0	0	176	320
Total	51	8	9	0	0	68	5	5	5	0	0	15	3	375	26	0	0	404	3	763	11	0	0	777	1264
Approach %	75.0	11.8	13.2	0.0	-	-	33.3	33.3	33.3	0.0	-	-	0.7	92.8	6.4	0.0	-	-	0.4	98.2	1.4	0.0	-	-	-
Total %	4.0	0.6	0.7	0.0	-	5.4	0.4	0.4	0.4	0.0	-	1.2	0.2	29.7	2.1	0.0	-	32.0	0.2	60.4	0.9	0.0	-	61.5	-
PHF	0.750	0.667	0.450	0.000	-	0.773	0.625	0.417	0.625	0.000	-	0.750	0.375	0.781	0.722	0.000	-	0.795	0.375	0.940	0.458	0.000	-	0.952	0.929
Lights	51	8	9	0	-	68	5	5	4	0	-	14	3	342	26	0	-	371	3	720	11	0	-	734	1187
% Lights	100.0	100.0	100.0	-	-	100.0	100.0	100.0	80.0	-	-	93.3	100.0	91.2	100.0	-	-	91.8	100.0	94.4	100.0	-	-	94.5	93.9
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	1	0	0	-	1	0	2	0	0	-	2	3
% Buses	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.3	0.0	-	-	0.2	0.0	0.3	0.0	-	-	0.3	0.2
Trucks	0	0	0	0	-	0	0	0	1	0	-	1	0	32	0	0	-	32	0	41	0	0	-	41	74
% Trucks	0.0	0.0	0.0	-	-	0.0	0.0	0.0	20.0	-	-	6.7	0.0	8.5	0.0	-	-	7.9	0.0	5.4	0.0	-	-	5.3	5.9
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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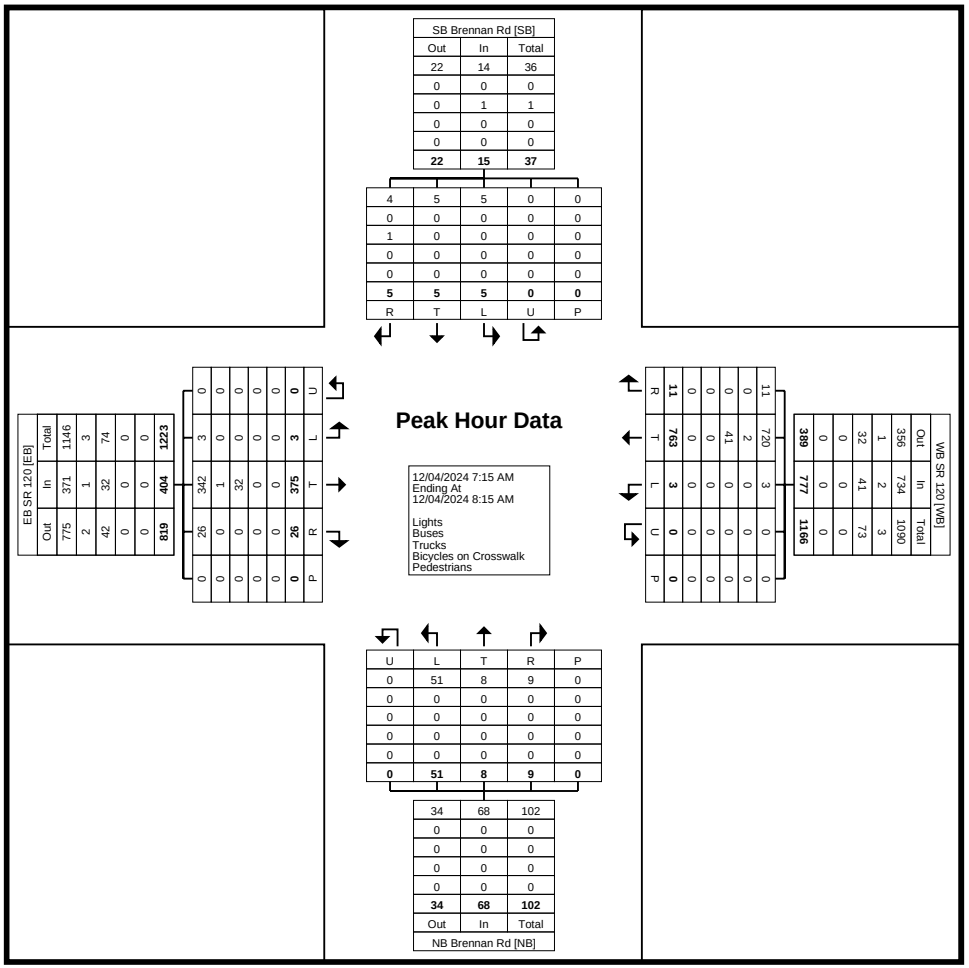

Turning Movement Peak Hour Data Plot (7:15 AM)

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Count Name: SJ-120-15.86/Brennan Rd
Site Code:
Start Date: 12/03/2024

Turning Movement Peak Hour Data (4:30 PM)

Start Time	NB Brennan Rd Northbound						SB Brennan Rd Southbound						EB SR 120 Eastbound						WB SR 120 Westbound						
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Int. Total
4:30 PM	2	0	0	0	0	2	1	8	0	0	0	9	0	182	17	0	0	199	0	94	5	0	0	99	309
4:45 PM	5	1	1	0	0	7	3	5	1	0	0	9	0	205	13	0	0	218	0	116	2	0	0	118	352
5:00 PM	5	1	0	0	0	6	3	4	1	0	0	8	0	162	16	0	0	178	0	97	4	0	0	101	293
5:15 PM	2	3	2	0	0	7	4	4	4	0	0	12	0	205	14	0	0	219	0	124	4	0	0	128	366
Total	14	5	3	0	0	22	11	21	6	0	0	38	0	754	60	0	0	814	0	431	15	0	0	446	1320
Approach %	63.6	22.7	13.6	0.0	-	-	28.9	55.3	15.8	0.0	-	-	0.0	92.6	7.4	0.0	-	-	0.0	96.6	3.4	0.0	-	-	-
Total %	1.1	0.4	0.2	0.0	-	1.7	0.8	1.6	0.5	0.0	-	2.9	0.0	57.1	4.5	0.0	-	61.7	0.0	32.7	1.1	0.0	-	33.8	-
PHF	0.700	0.417	0.375	0.000	-	0.786	0.688	0.656	0.375	0.000	-	0.792	0.000	0.920	0.882	0.000	-	0.929	0.000	0.869	0.750	0.000	-	0.871	0.902
Lights	14	5	3	0	-	22	11	21	6	0	-	38	0	733	60	0	-	793	0	409	15	0	-	424	1277
% Lights	100.0	100.0	100.0	-	-	100.0	100.0	100.0	100.0	-	-	100.0	-	97.2	100.0	-	-	97.4	-	94.9	100.0	-	-	95.1	96.7
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	1	0	0	-	1	0	1	0	0	-	1	2
% Buses	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	-	0.1	0.0	-	-	0.1	-	0.2	0.0	-	-	0.2	0.2
Trucks	0	0	0	0	-	0	0	0	0	0	-	0	0	20	0	0	-	20	0	21	0	0	-	21	41
% Trucks	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	-	2.7	0.0	-	-	2.5	-	4.9	0.0	-	-	4.7	3.1
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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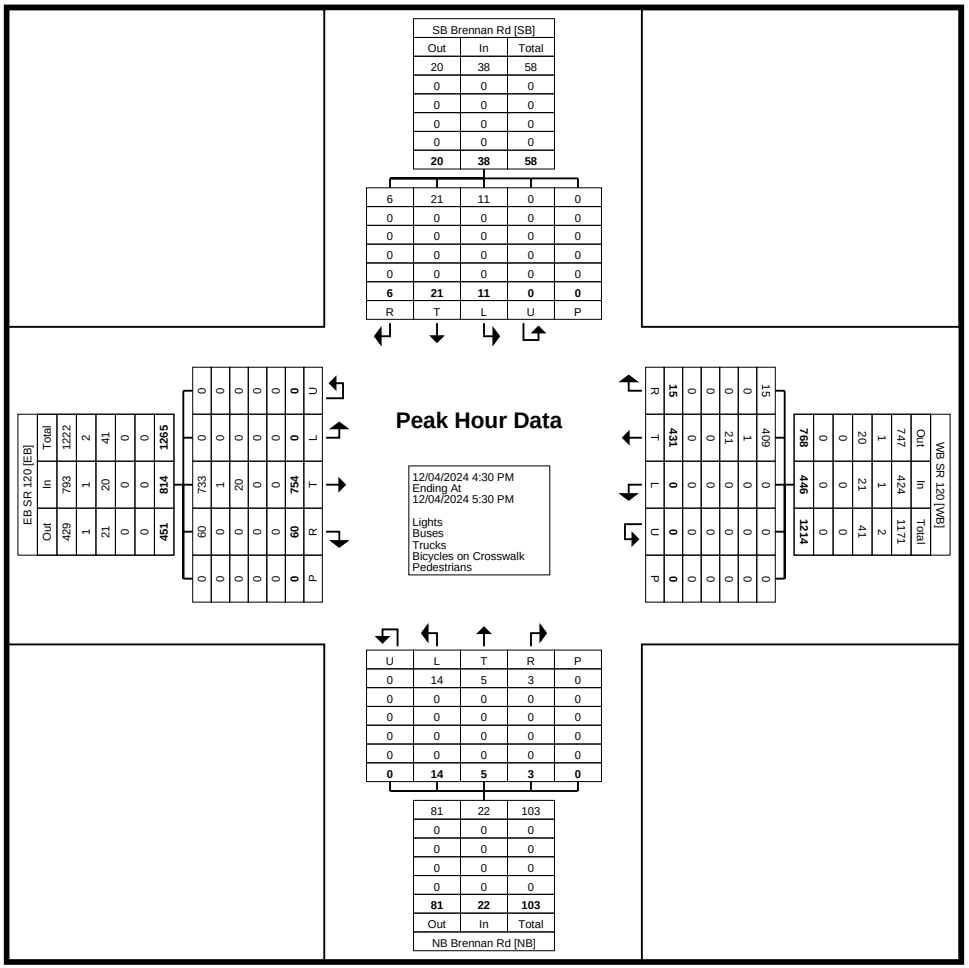

Turning Movement Peak Hour Data Plot (4:30 PM)

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Turning Movement Peak Hour Data (7:15 AM)

Start Time	NB Brennan Rd Northbound						SB Brennan Rd Southbound						EB SR 120 Eastbound						WB SR 120 Westbound						
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Int. Total
7:15 AM	15	0	1	0	0	16	0	2	0	0	0	2	0	72	9	0	0	81	0	226	2	0	0	228	327
7:30 AM	16	1	2	0	0	19	0	0	2	0	0	2	3	69	7	0	0	79	0	185	2	0	0	187	287
7:45 AM	16	3	2	0	0	21	1	3	2	0	0	6	0	110	16	0	0	126	5	205	3	0	0	213	366
8:00 AM	12	2	6	0	0	20	2	4	0	0	0	6	1	111	7	0	0	119	2	159	6	0	0	167	312
Total	59	6	11	0	0	76	3	9	4	0	0	16	4	362	39	0	0	405	7	775	13	0	0	795	1292
Approach %	77.6	7.9	14.5	0.0	-	-	18.8	56.3	25.0	0.0	-	-	1.0	89.4	9.6	0.0	-	-	0.9	97.5	1.6	0.0	-	-	-
Total %	4.6	0.5	0.9	0.0	-	5.9	0.2	0.7	0.3	0.0	-	1.2	0.3	28.0	3.0	0.0	-	31.3	0.5	60.0	1.0	0.0	-	61.5	-
PHF	0.922	0.500	0.458	0.000	-	0.905	0.375	0.563	0.500	0.000	-	0.667	0.333	0.815	0.609	0.000	-	0.804	0.350	0.857	0.542	0.000	-	0.872	0.883
Lights	59	6	8	0	-	73	2	9	4	0	-	15	4	333	37	0	-	374	5	711	12	0	-	728	1190
% Lights	100.0	100.0	72.7	-	-	96.1	66.7	100.0	100.0	-	-	93.8	100.0	92.0	94.9	-	-	92.3	71.4	91.7	92.3	-	-	91.6	92.1
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	3	0	0	-	3	3
% Buses	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.4	0.0	-	-	0.4	0.2
Trucks	0	0	3	0	-	3	1	0	0	0	-	1	0	29	2	0	-	31	2	61	1	0	-	64	99
% Trucks	0.0	0.0	27.3	-	-	3.9	33.3	0.0	0.0	-	-	6.3	0.0	8.0	5.1	-	-	7.7	28.6	7.9	7.7	-	-	8.1	7.7
Bicycles on Crosswalk	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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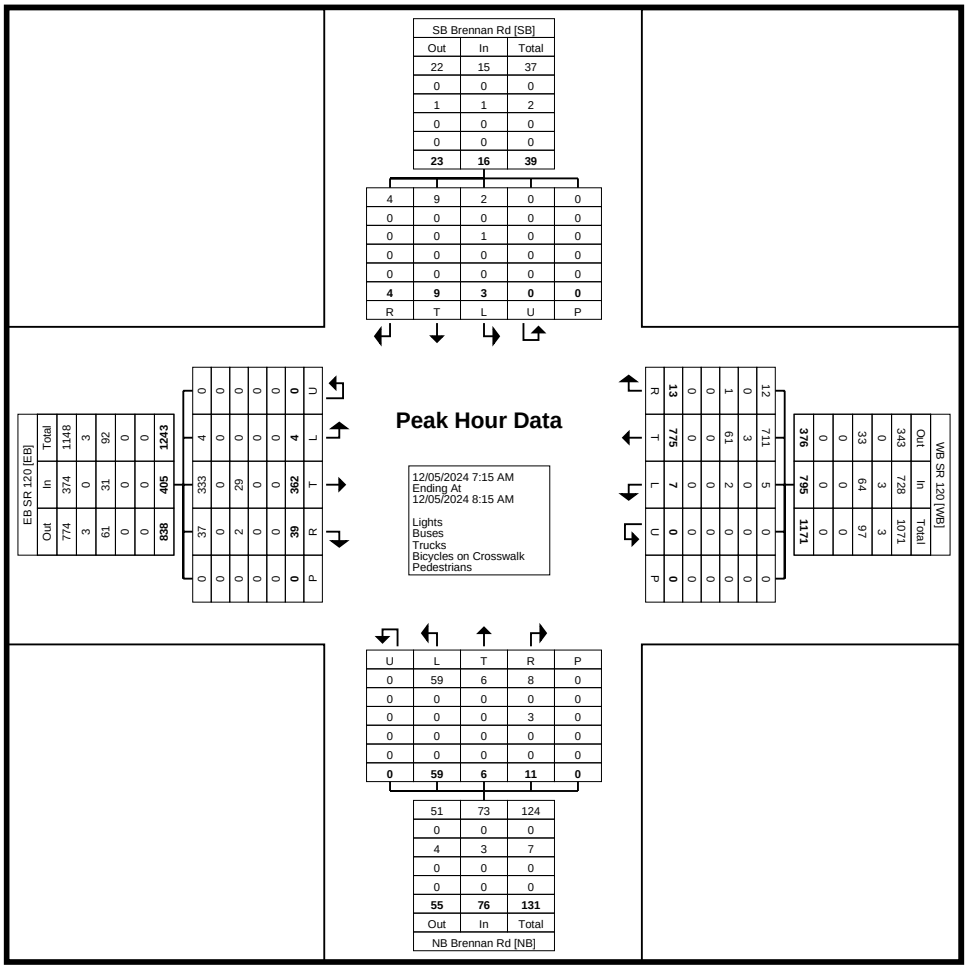

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Turning Movement Peak Hour Data (4:00 PM)

Start Time	NB Brennan Rd Northbound						SB Brennan Rd Southbound						EB SR 120 Eastbound						WB SR 120 Westbound						
	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	Right	U-Turn	Peds	App. Total	Int. Total
4:00 PM	3	2	2	0	0	7	0	4	3	0	0	7	1	187	12	0	0	200	0	104	5	0	0	109	323
4:15 PM	3	1	5	0	0	9	2	7	1	0	0	10	1	210	12	0	0	223	0	94	5	0	0	99	341
4:30 PM	8	1	1	0	0	10	2	5	0	0	0	7	0	215	18	0	0	233	2	109	3	0	0	114	364
4:45 PM	4	1	2	0	1	7	2	3	1	0	0	6	3	193	12	0	0	208	2	127	4	0	0	133	354
Total	18	5	10	0	1	33	6	19	5	0	0	30	5	805	54	0	0	864	4	434	17	0	0	455	1382
Approach %	54.5	15.2	30.3	0.0	-	-	20.0	63.3	16.7	0.0	-	-	0.6	93.2	6.3	0.0	-	-	0.9	95.4	3.7	0.0	-	-	-
Total %	1.3	0.4	0.7	0.0	-	2.4	0.4	1.4	0.4	0.0	-	2.2	0.4	58.2	3.9	0.0	-	62.5	0.3	31.4	1.2	0.0	-	32.9	-
PHF	0.563	0.625	0.500	0.000	-	0.825	0.750	0.679	0.417	0.000	-	0.750	0.417	0.936	0.750	0.000	-	0.927	0.500	0.854	0.850	0.000	-	0.855	0.949
Lights	18	5	10	0	-	33	6	19	5	0	-	30	3	787	54	0	-	844	4	407	16	0	-	427	1334
% Lights	100.0	100.0	100.0	-	-	100.0	100.0	100.0	100.0	-	-	100.0	60.0	97.8	100.0	-	-	97.7	100.0	93.8	94.1	-	-	93.8	96.5
Buses	0	0	0	0	-	0	0	0	0	0	-	0	0	2	0	0	-	2	0	2	0	0	-	2	4
% Buses	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.2	0.0	-	-	0.2	0.0	0.5	0.0	-	-	0.4	0.3
Trucks	0	0	0	0	-	0	0	0	0	0	-	0	2	16	0	0	-	18	0	25	1	0	-	26	44
% Trucks	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	0.0	40.0	2.0	0.0	-	-	2.1	0.0	5.8	5.9	-	-	5.7	3.2
Bicycles on Crosswalk	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Bicycles on Crosswalk	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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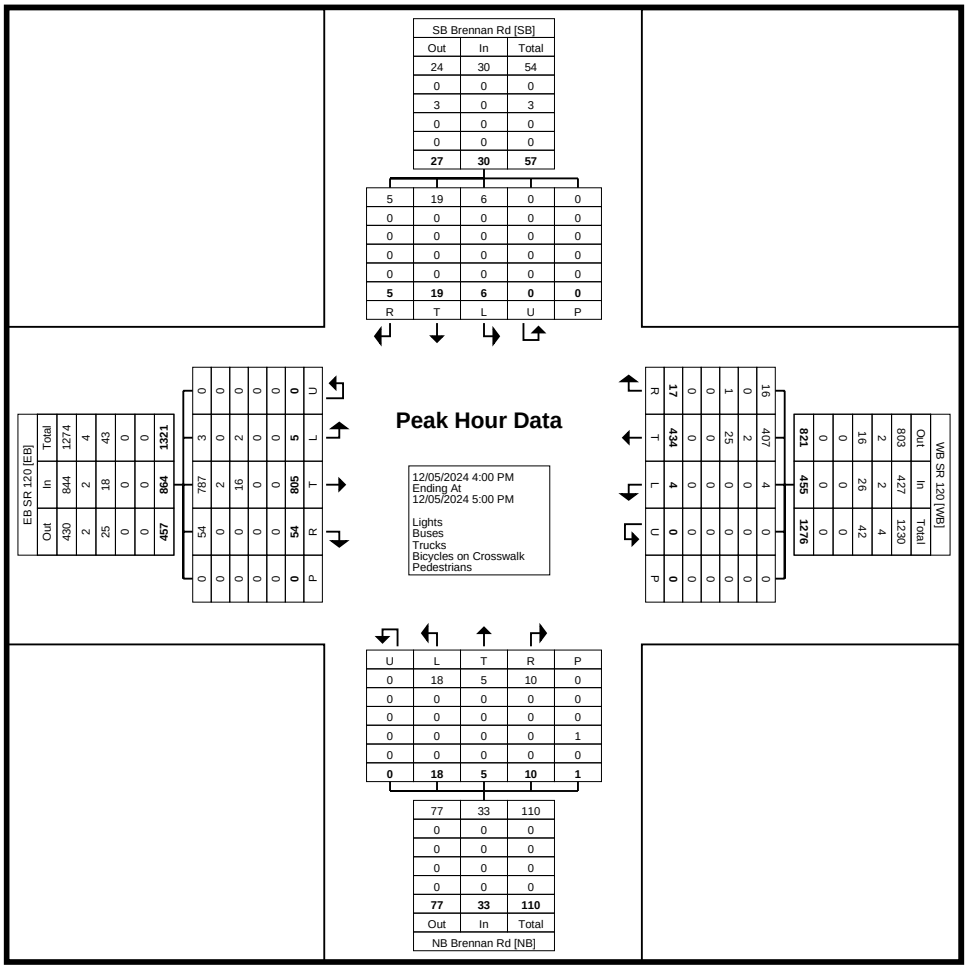
Site Code:
Start Date: 12/03/2024



Turning Movement Peak Hour Data Plot (4:00 PM)

ALL-VEHICLE VOLUMES																					
Time Period	NB Left	NB Thru	NB Right	NB U-Turn	NB RTOR	SB Left	SB Thru	SB Right	SB U-Turn	SB RTOR	EB Left	EB Thru	EB Right	EB U-Turn	EB RTOR	WB Left	WB Thru	WB Right	WB U-Turn	WB RTOR	Total
7:00 AM	1	0	0	0		0	0	0	0		0	16	0	0		3	44	0	0		64
7:05 AM	0	0	1	0		0	0	0	0		0	20	0	0		0	88	0	0		109
7:10 AM	2	0	1	0		0	0	0	0		0	22	1	0		1	62	0	0		89
7:15 AM	2	0	3	0		0	0	0	0		0	18	0	0		1	63	0	0		87
7:20 AM	2	0	3	0		0	0	0	0		0	23	0	0		1	65	0	0		94
7:25 AM	1	0	2	0		0	0	0	0		0	25	0	0		2	70	0	0		100
7:30 AM	4	0	4	0		0	0	0	0		0	23	1	0		0	84	0	0		116
7:35 AM	2	0	7	0		0	0	0	0		0	20	0	0		2	60	0	0		91
7:40 AM	6	0	3	0		0	0	0	0		0	37	0	0		3	71	0	0		120
7:45 AM	5	0	3	0		0	0	0	0		0	28	0	0		2	75	0	0		113
7:50 AM	5	0	10	0		0	0	0	0		0	33	3	0		4	60	0	0		115
7:55 AM	3	0	11	0		0	0	0	0		0	32	1	0		2	86	0	0		135
8:00 AM	2	0	15	0		0	0	0	0		0	32	1	0		7	61	0	0		118
8:05 AM	3	0	3	0		0	0	0	0		0	31	3	0		3	60	0	0		103
8:10 AM	0	0	4	0		0	0	0	0		0	46	1	0		5	46	0	0		102
8:15 AM	0	0	0	0		0	0	0	0		0	31	1	0		3	37	0	0		72
8:20 AM	1	0	0	0		0	0	0	0		0	49	1	0		3	50	0	0		104
8:25 AM	0	0	1	0		0	0	0	0		0	25	1	0		0	48	0	0		75
8:30 AM	1	0	3	0		0	0	0	0		0	43	1	0		1	51	0	0		100
8:35 AM	2	0	1	0		0	0	0	0		0	44	0	0		3	39	0	0		89
8:40 AM	0	0	2	0		0	0	0	0		0	32	0	0		1	28	0	0		63
8:45 AM	0	0	2	0		0	0	0	0		0	30	0	0		0	50	0	0		82
8:50 AM	0	0	2	0		0	0	0	0		0	29	2	0		2	21	0	0		56
8:55 AM	0	0	1	0		0	0	0	0		0	30	1	0		1	32	0	0		65

HEAVY-VEHICLE VOLUMES													
Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	0	0	0	0	0	0	5	0	0	1	0	6
7:05 AM	0	0	0	0	0	0	0	3	0	0	10	0	13
7:10 AM	1	0	0	0	0	0	0	5	0	0	7	0	13
7:15 AM	0	0	1	0	0	0	0	3	0	0	5	0	9
7:20 AM	0	0	0	0	0	0	0	4	0	0	7	0	11
7:25 AM	0	0	0	0	0	0	0	3	0	0	9	0	12
7:30 AM	0	0	0	0	0	0	0	3	0	0	3	0	6
7:35 AM	0	0	0	0	0	0	0	1	0	0	3	0	4
7:40 AM	0	0	0	0	0	0	0	6	0	0	7	0	13
7:45 AM	0	0	0	0	0	0	0	4	0	0	4	0	8
7:50 AM	0	0	0	0	0	0	0	3	0	0	7	0	10
7:55 AM	0	0	0	0	0	0	0	2	0	0	7	0	9
8:00 AM	0	0	1	0	0	0	0	1	0	0	5	0	7
8:05 AM	0	0	0	0	0	0	0	4	0	0	8	0	12
8:10 AM	0	0	0	0	0	0	0	10	0	0	2	0	12
8:15 AM	0	0	0	0	0	0	0	3	0	0	5	0	8
8:20 AM	0	0	0	0	0	0	0	7	0	0	6	0	13
8:25 AM	0	0	0	0	0	0	0	2	0	0	5	0	7
8:30 AM	0	0	0	0	0	0	0	9	1	0	12	0	22
8:35 AM	0	0	0	0	0	0	0	5	0	0	3	0	8
8:40 AM	0	0	0	0	0	0	0	1	0	0	2	0	3
8:45 AM	0	0	0	0	0	0	0	4	0	0	10	0	14
8:50 AM	0	0	0	0	0	0	0	8	0	0	5	0	13
8:55 AM	0	0	0	0	0	0	0	2	0	0	6	0	8

BUS VOLUMES													
Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM													
7:05 AM													
7:10 AM													
7:15 AM													
7:20 AM													
7:25 AM													
7:30 AM													
7:35 AM													
7:40 AM													
7:45 AM													
7:50 AM													
7:55 AM													
8:00 AM													
8:05 AM													
8:10 AM													
8:15 AM													
8:20 AM													
8:25 AM													
8:30 AM													
8:35 AM													
8:40 AM													
8:45 AM													
8:50 AM													
8:55 AM													

PEDESTRIAN VOLUMES													
Time Period	South Leg	North Leg	West Leg	East Leg	Total								
7:00 AM	0	0	0	0	0								
7:05 AM	0	0	0	0	0								
7:10 AM	0	0	0	0	0								
7:15 AM	0	0	0	0	0								
7:20 AM	0	0	0	0	0								
7:25 AM	0	0	0	0	0								
7:30 AM	0	0	0	0	0								
7:35 AM	0	0	0	0	0								
7:40 AM	0	0	0	0	0								
7:45 AM	0	0	0	0	0								
7:50 AM	0	0	0	0	0								
7:55 AM	0	0	0	0	0								
8:00 AM	0	0	0	0	0								
8:05 AM	0	0	0	0	0								
8:10 AM	0	0	0	0	0								
8:15 AM	0	0	0	0	0								
8:20 AM	0	0	0	0	0								
8:25 AM	0	0	0	0	0								
8:30 AM	0	0	0	0	0								
8:35 AM	0	0	0	0	0								
8:40 AM	0	0	0	0	0								
8:45 AM	0	0	0	0	0								
8:50 AM	0	0	0	0	0								
8:55 AM	0	0	0	0	0								

BICYCLE VOLUMES													
Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0

SCOOTER VOLUMES													
Time Period	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM													
7:05 AM													
7:10 AM													
7:15 AM													
7:20 AM													
7:25 AM													
7:30 AM													
7:35 AM													
7:40 AM													
7:45 AM													
7:50 AM													
7:55 AM													
8:00 AM													
8:05 AM													
8:10 AM													
8:15 AM													
8:20 AM													
8:25 AM													
8:30 AM													
8:35 AM													
8:40 AM													
8:45 AM													
8:50 AM													
8:55 AM													

ALL-VEHICLE VOLUMES																				
Time Perio	NB Left	NB Thru	NB Right	NB U-Turn	NB RTOR	SB Left	SB Thru	SB Right	SB U-Turn	SB RTOR	EB Left	EB Thru	EB Right	EB U-Turn	EB RTOR	WB Left	WB Thru	WB Right	WB U-Turn	WB RTOR	Total
3:30 PM	0	0	2	0		0	0	0	0		0	69	2	0		2	45	0	0		120
3:35 PM	2	0	1	0		0	0	0	0		0	56	0	0		3	29	0	0		91
3:40 PM	0	0	1	0		0	0	0	0		0	49	2	0		2	41	0	0		95
3:45 PM	0	0	3	0		0	0	0	0		0	69	1	0		3	46	0	0		122
3:50 PM	0	0	2	0		0	0	0	0		0	72	3	0		4	37	0	0		118
3:55 PM	1	0	5	0		0	0	0	0		0	67	2	0		1	29	0	0		105
4:00 PM	0	0	1	0		0	0	0	0		0	66	1	0		2	16	0	0		86
4:05 PM	0	0	3	0		0	0	0	0		0	66	1	0		3	55	0	0		128
4:10 PM	0	0	3	0		0	0	0	0		0	63	2	0		3	41	0	0		112
4:15 PM	1	0	3	0		0	0	0	0		0	81	2	0		1	29	0	0		117
4:20 PM	0	0	2	0		0	0	0	0		0	46	3	0		2	43	0	0		96
4:25 PM	0	0	2	0		0	0	0	0		0	69	1	0		0	39	0	0		111
4:30 PM	1	0	3	0		0	0	0	0		0	54	0	0		2	36	0	0		96
4:35 PM	0	0	2	0		0	0	0	0		0	64	2	0		1	23	0	0		92
4:40 PM	0	0	3	0		0	0	0	0		0	51	3	0		8	49	0	0		114
4:45 PM	2	0	1	0		0	0	0	0		0	80	3	0		3	39	0	0		128
4:50 PM	0	0	3	0		0	0	0	0		0	58	0	0		4	37	0	0		102
4:55 PM	0	0	3	0		0	0	0	0		0	71	0	0		4	33	0	0		111
5:00 PM	1	0	6	0		0	0	0	0		0	67	0	0		5	27	0	0		106
5:05 PM	1	0	2	0		0	0	0	0		0	68	3	0		6	41	0	0		121
5:10 PM	0	0	4	0		0	0	0	0		0	66	1	0		5	43	0	0		119
5:15 PM	3	0	2	0		0	0	0	0		0	61	1	0		4	33	0	0		104
5:20 PM	0	0	0	0		0	0	0	0		0	70	1	0		3	49	0	0		123
5:25 PM	0	0	2	0		0	0	0	0		0	71	2	0		1	35	0	0		111

HEAVY-VEHICLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM	0	0	2	0	0	0	0	7	0	0	2	0	11
3:35 PM	0	0	0	0	0	0	0	1	0	0	3	0	4
3:40 PM	0	0	0	0	0	0	0	5	0	0	5	0	10
3:45 PM	0	0	0	0	0	0	0	5	0	0	4	0	9
3:50 PM	0	0	0	0	0	0	0	4	0	0	1	0	5
3:55 PM	0	0	0	0	0	0	0	5	0	0	4	0	9
4:00 PM	0	0	0	0	0	0	0	8	0	0	2	0	10
4:05 PM	0	0	0	0	0	0	0	1	0	0	4	0	5
4:10 PM	0	0	0	0	0	0	0	5	0	0	2	0	7
4:15 PM	0	0	0	0	0	0	0	3	0	0	4	0	7
4:20 PM	0	0	0	0	0	0	0	1	0	0	4	0	5
4:25 PM	0	0	0	0	0	0	0	6	0	0	2	0	8
4:30 PM	0	0	0	0	0	0	0	3	0	1	6	0	10
4:35 PM	0	0	0	0	0	0	0	7	0	0	3	0	10
4:40 PM	0	0	0	0	0	0	0	2	0	0	6	0	8
4:45 PM	0	0	0	0	0	0	0	4	0	0	2	0	6
4:50 PM	0	0	0	0	0	0	0	1	0	0	2	0	3
4:55 PM	0	0	0	0	0	0	0	7	0	0	4	0	11
5:00 PM	0	0	0	0	0	0	0	3	0	0	4	0	7
5:05 PM	0	0	0	0	0	0	0	5	0	0	4	0	9
5:10 PM	0	0	1	0	0	0	0	6	0	0	2	0	9
5:15 PM	0	0	0	0	0	0	0	1	0	0	3	0	4
5:20 PM	0	0	0	0	0	0	0	5	0	0	1	0	6
5:25 PM	0	0	0	0	0	0	0	3	0	0	3	0	6

BUS VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM													
3:35 PM													
3:40 PM													
3:45 PM													
3:50 PM													
3:55 PM													
4:00 PM													
4:05 PM													
4:10 PM													
4:15 PM													
4:20 PM													
4:25 PM													
4:30 PM													
4:35 PM													
4:40 PM													
4:45 PM													
4:50 PM													
4:55 PM													
5:00 PM													
5:05 PM													
5:10 PM													
5:15 PM													
5:20 PM													
5:25 PM													

PEDESTRIAN VOLUMES													
Time Perio	South Leg	North Leg	West Leg	East Leg	Total								
3:30 PM	0	0	0	0	0								
3:35 PM	0	0	0	0	0								
3:40 PM	0	0	0	0	0								
3:45 PM	0	0	0	0	0								
3:50 PM	0	0	0	0	0								
3:55 PM	0	0	0	0	0								
4:00 PM	0	0	0	0	0								
4:05 PM	0	0	0	0	0								
4:10 PM	0	0	0	0	0								
4:15 PM	0	0	0	0	0								
4:20 PM	0	0	0	0	0								
4:25 PM	0	0	0	0	0								
4:30 PM	0	0	0	0	0								
4:35 PM	0	0	0	0	0								
4:40 PM	0	0	0	0	0								
4:45 PM	0	0	0	0	0								
4:50 PM	0	0	0	0	0								
4:55 PM	0	0	0	0	0								
5:00 PM	0	0	0	0	0								
5:05 PM	0	0	0	0	0								
5:10 PM	0	0	0	0	0								
5:15 PM	0	0	0	0	0								
5:20 PM	0	0	0	0	0								
5:25 PM	0	0	0	0	0								

BICYCLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:50 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:50 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0

SCOOTER VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM													
3:35 PM													
3:40 PM													
3:45 PM													
3:50 PM													
3:55 PM													
4:00 PM													
4:05 PM													
4:10 PM													
4:15 PM													
4:20 PM													
4:25 PM													
4:30 PM													
4:35 PM													
4:40 PM													
4:45 PM													
4:50 PM													
4:55 PM													
5:00 PM													
5:05 PM													
5:10 PM													
5:15 PM													
5:20 PM													
5:25 PM													

ALL-VEHICLE VOLUMES																				
Time Perio	NB Left	NB Thru	NB Right	NB U-Turn	NB RTOR	SB Left	SB Thru	SB Right	SB U-Turn	SB RTOR	EB Left	EB Thru	EB Right	EB U-Turn	EB RTOR	WB Left	WB Thru	WB Right	WB U-Turn	WB RTOR	Total
7:00 AM	0	1	0	0		0	2	1	0		0	0	0	0		0	0	0	0		4
7:05 AM	0	2	0	0		0	0	0	0		0	0	0	0		0	0	0	0		2
7:10 AM	0	1	0	0		0	1	0	0		0	1	0	0		0	0	0	0		3
7:15 AM	0	1	0	0		0	0	1	0		2	2	1	0		0	0	0	0		7
7:20 AM	1	3	0	0		0	0	1	0		2	2	0	0		0	0	0	0		9
7:25 AM	0	2	0	0		0	1	1	0		1	0	0	0		0	0	0	0		5
7:30 AM	1	2	0	0		2	0	0	0		3	1	1	0		0	1	0	0		11
7:35 AM	0	3	2	0		0	0	2	0		3	1	1	0		0	0	1	0		13
7:40 AM	0	4	0	0		0	1	2	0		1	1	0	0		0	0	0	0		9
7:45 AM	0	5	0	0		0	1	1	0		1	1	0	0		0	1	0	0		10
7:50 AM	0	5	1	0		0	3	2	0		6	0	0	0		0	0	1	0		18
7:55 AM	0	7	0	0		0	2	0	0		5	1	1	0		0	0	0	0		16
8:00 AM	0	6	0	0		0	5	1	0		9	3	0	0		0	1	0	0		25
8:05 AM	0	6	0	0		0	2	1	0		1	0	0	0		0	0	0	0		10
8:10 AM	0	2	0	0		0	5	2	0		1	4	0	0		0	1	0	0		15
8:15 AM	0	1	0	0		0	2	3	0		0	1	1	0		0	0	0	0		8
8:20 AM	0	1	0	0		1	4	0	0		0	2	0	0		0	0	0	0		8
8:25 AM	0	1	0	0		0	1	0	0		1	0	2	0		0	1	1	1		8
8:30 AM	0	4	0	0		0	1	1	0		0	0	0	0		0	2	0	0		8
8:35 AM	0	2	0	0		0	2	1	0		0	1	1	0		0	1	0	0		8
8:40 AM	1	0	0	0		0	0	1	0		1	0	0	0		0	0	0	0		3
8:45 AM	0	1	0	0		0	1	0	0		1	0	0	0		0	1	0	0		4
8:50 AM	0	2	0	0		0	1	1	0		1	0	0	0		0	0	0	0		5
8:55 AM	1	0	0	0		0	0	2	0		0	2	1	0		0	0	0	0		6

HEAVY-VEHICLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	1	0	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	1	0	0	0	1

BUS VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM													
7:05 AM													
7:10 AM													
7:15 AM													
7:20 AM													
7:25 AM													
7:30 AM													
7:35 AM													
7:40 AM													
7:45 AM													
7:50 AM													
7:55 AM													
8:00 AM													
8:05 AM													
8:10 AM													
8:15 AM													
8:20 AM													
8:25 AM													
8:30 AM													
8:35 AM													
8:40 AM													
8:45 AM													
8:50 AM													
8:55 AM													

PEDESTRIAN VOLUMES													
Time Perio	South Leg	North Leg	West Leg	East Leg	Total								
7:00 AM	0	0	0	0	0								
7:05 AM	0	0	0	0	0								
7:10 AM	0	0	0	0	0								
7:15 AM	0	0	0	0	0								
7:20 AM	0	1	0	0	1								
7:25 AM	3	0	0	0	3								
7:30 AM	0	0	1	0	1								
7:35 AM	0	0	0	0	0								
7:40 AM	0	0	0	0	0								
7:45 AM	0	0	0	0	0								
7:50 AM	0	0	0	0	0								
7:55 AM	0	0	0	0	0								
8:00 AM	0	0	0	0	0								
8:05 AM	4	0	0	0	4								
8:10 AM	2	0	0	0	2								
8:15 AM	0	0	0	0	0								
8:20 AM	0	0	0	0	0								
8:25 AM	0	0	0	0	0								
8:30 AM	0	0	0	0	0								
8:35 AM	0	2	0	0	2								
8:40 AM	0	0	0	0	0								
8:45 AM	1	0	0	0	1								
8:50 AM	1	0	0	0	1								
8:55 AM	0	0	1	0	1								

BICYCLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
8:15 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0

SCOOTER VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM													
7:05 AM													
7:10 AM													
7:15 AM													
7:20 AM													
7:25 AM													
7:30 AM													
7:35 AM													
7:40 AM													
7:45 AM													
7:50 AM													
7:55 AM													
8:00 AM													
8:05 AM													
8:10 AM													
8:15 AM													
8:20 AM													
8:25 AM													
8:30 AM													
8:35 AM													
8:40 AM													
8:45 AM													
8:50 AM													
8:55 AM													

ALL-VEHICLE VOLUMES																				
Time Perio	NB Left	NB Thru	NB Right	NB U-Turn	NB RTOR	SB Left	SB Thru	SB Right	SB U-Turn	SB RTOR	EB Left	EB Thru	EB Right	EB U-Turn	EB RTOR	WB Left	WB Thru	WB Right	WB U-Turn	WB RTOR	Total
3:30 PM	0	1	0	0		0	2	1	0		0	1	0	0		0	0	0	0		5
3:35 PM	0	1	0	0		0	3	1	0		0	1	1	0		0	0	0	0		7
3:40 PM	1	0	0	0		1	1	2	0		0	3	0	0		0	3	0	0		11
3:45 PM	1	2	0	0		1	1	2	0		1	0	0	0		0	1	0	0		9
3:50 PM	1	1	0	0		0	2	2	0		1	1	0	0		0	0	0	0		8
3:55 PM	0	4	0	0		0	2	0	0		2	0	0	0		0	1	0	0		9
4:00 PM	0	0	0	0		0	1	1	0		0	2	2	0		0	1	0	0		7
4:05 PM	0	1	0	0		0	3	2	0		0	1	0	0		0	1	0	0		8
4:10 PM	1	3	0	0		0	0	0	0		1	0	2	0		0	1	0	0		8
4:15 PM	1	0	1	0		1	4	0	0		1	1	0	0		0	0	0	0		9
4:20 PM	1	1	0	0		0	2	0	0		1	0	0	0		0	1	0	0		6
4:25 PM	2	1	0	0		0	2	0	0		0	1	0	0		0	0	0	0		6
4:30 PM	3	4	0	0		1	0	0	0		1	0	0	0		0	0	0	0		9
4:35 PM	1	0	0	0		0	3	0	0		1	2	1	0		0	2	0	0		10
4:40 PM	2	1	0	0		0	6	3	0		2	3	0	0		0	0	0	0		17
4:45 PM	1	1	0	0		0	4	1	0		1	0	2	0		0	0	0	0		10
4:50 PM	1	2	0	0		0	5	0	0		2	2	1	0		0	1	0	0		14
4:55 PM	3	1	0	0		1	1	2	0		2	1	1	0		0	0	1	0		13
5:00 PM	1	3	1	0		0	1	2	0		0	0	0	0		0	0	0	0		8
5:05 PM	1	0	1	0		0	1	5	0		1	0	1	0		0	2	0	0		12
5:10 PM	1	0	0	0		0	2	4	0		3	2	0	0		0	0	1	0		13
5:15 PM	0	2	0	0		0	2	2	0		1	1	1	0		0	0	0	0		9
5:20 PM	1	0	0	0		0	3	1	0		0	0	0	0		0	0	0	0		5
5:25 PM	1	2	0	0		0	0	1	0		1	0	0	0		0	0	0	0		5

HEAVY-VEHICLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:50 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
4:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
4:35 PM	0	0	0	0	0	0	0	0	1	0	0	0	1
4:40 PM	0	1	0	0	0	1	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:50 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
4:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0

BUS VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM													
3:35 PM													
3:40 PM													
3:45 PM													
3:50 PM													
3:55 PM													
4:00 PM													
4:05 PM													
4:10 PM													
4:15 PM													
4:20 PM													
4:25 PM													
4:30 PM													
4:35 PM													
4:40 PM													
4:45 PM													
4:50 PM													
4:55 PM													
5:00 PM													
5:05 PM													
5:10 PM													
5:15 PM													
5:20 PM													
5:25 PM													

PEDESTRIAN VOLUMES													
Time Perio	South Leg	North Leg	West Leg	East Leg	Total								
3:30 PM	0	0	0	0	0								
3:35 PM	0	0	0	0	0								
3:40 PM	0	0	0	0	0								
3:45 PM	0	0	0	0	0								
3:50 PM	0	0	0	0	0								
3:55 PM	0	0	0	0	0								
4:00 PM	0	0	0	0	0								
4:05 PM	0	0	0	0	0								
4:10 PM	0	2	0	0	2								
4:15 PM	0	0	0	0	0								
4:20 PM	0	0	0	0	0								
4:25 PM	0	0	0	0	0								
4:30 PM	2	0	0	0	2								
4:35 PM	0	0	0	0	0								
4:40 PM	0	0	0	0	0								
4:45 PM	0	0	0	0	0								
4:50 PM	0	0	0	0	0								
4:55 PM	0	0	0	0	0								
5:00 PM	0	0	0	0	0								
5:05 PM	1	0	0	0	1								
5:10 PM	1	0	0	0	1								
5:15 PM	0	1	0	1	2								
5:20 PM	0	2	0	0	2								
5:25 PM	0	0	0	0	0								

BICYCLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:50 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
3:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:25 PM	2	0	0	0	0	0	0	0	0	0	0	0	2
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:50 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0

SCOOTER VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM													
3:35 PM													
3:40 PM													
3:45 PM													
3:50 PM													
3:55 PM													
4:00 PM													
4:05 PM													
4:10 PM													
4:15 PM													
4:20 PM													
4:25 PM													
4:30 PM													
4:35 PM													
4:40 PM													
4:45 PM													
4:50 PM													
4:55 PM													
5:00 PM													
5:05 PM													
5:10 PM													
5:15 PM													
5:20 PM													
5:25 PM													

ALL-VEHICLE VOLUMES																				
Time Perio	NB Left	NB Thru	NB Right	NB U-Turn	NB RTOR	SB Left	SB Thru	SB Right	SB U-Turn	SB RTOR	EB Left	EB Thru	EB Right	EB U-Turn	EB RTOR	WB Left	WB Thru	WB Right	WB U-Turn	WB RTOR	Total
7:00 AM	0	1	0	0		2	0	0	0		0	0	0	0		0	0	3	0		6
7:05 AM	0	8	0	0		0	3	0	0		0	0	0	0		0	0	2	0		13
7:10 AM	0	4	0	0		0	0	0	0		0	0	0	0		0	0	1	0		5
7:15 AM	0	3	1	0		0	1	0	0		0	0	0	0		0	0	2	0		7
7:20 AM	0	3	0	0		0	1	0	0		0	0	0	0		1	0	3	0		8
7:25 AM	0	0	0	0		1	2	0	0		0	0	0	0		0	0	0	0		3
7:30 AM	0	3	0	0		0	2	0	0		0	0	0	0		0	0	1	0		6
7:35 AM	0	3	0	0		0	2	0	0		0	0	0	0		0	0	1	0		6
7:40 AM	0	6	0	0		0	6	0	0		0	0	0	0		0	0	2	0		14
7:45 AM	0	6	0	0		0	2	0	0		0	0	0	0		1	0	3	0		12
7:50 AM	0	2	0	0		0	3	0	0		0	0	0	0		0	0	3	0		8
7:55 AM	0	8	1	0		2	3	0	0		0	0	0	0		2	0	5	0		21
8:00 AM	0	7	1	0		4	2	0	0		0	0	0	0		0	0	6	0		20
8:05 AM	0	6	0	0		1	2	0	0		0	0	0	0		0	0	0	0		9
8:10 AM	0	4	1	0		1	7	0	0		0	0	0	0		1	0	0	0		14
8:15 AM	0	3	0	0		0	2	0	0		0	0	0	0		0	0	1	0		6
8:20 AM	0	2	0	0		0	1	0	0		0	0	0	0		0	0	0	0		3
8:25 AM	0	6	0	0		0	3	0	0		0	0	0	0		1	0	0	0		10
8:30 AM	0	5	0	0		0	6	0	0		0	0	0	0		1	0	0	0		12
8:35 AM	0	0	0	0		0	2	0	0		0	0	0	0		0	0	0	0		2
8:40 AM	0	1	0	0		0	0	0	0		0	0	0	0		1	0	0	0		2
8:45 AM	0	0	0	0		0	2	0	0		0	0	0	0		0	0	1	0		3
8:50 AM	0	3	0	0		0	2	0	0		0	0	0	0		0	0	1	0		6
8:55 AM	0	1	1	0		0	0	0	0		0	0	0	0		0	0	0	0		2

HEAVY-VEHICLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
7:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0

BUS VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM													
7:05 AM													
7:10 AM													
7:15 AM													
7:20 AM													
7:25 AM													
7:30 AM													
7:35 AM													
7:40 AM													
7:45 AM													
7:50 AM													
7:55 AM													
8:00 AM													
8:05 AM													
8:10 AM													
8:15 AM													
8:20 AM													
8:25 AM													
8:30 AM													
8:35 AM													
8:40 AM													
8:45 AM													
8:50 AM													
8:55 AM													

PEDESTRIAN VOLUMES													
Time Perio	South Leg	North Leg	West Leg	East Leg	Total								
7:00 AM	0	0	0	0	0								
7:05 AM	0	0	0	0	0								
7:10 AM	0	0	0	0	0								
7:15 AM	0	0	0	0	0								
7:20 AM	0	0	0	0	0								
7:25 AM	0	0	0	0	0								
7:30 AM	0	0	0	0	0								
7:35 AM	0	0	0	0	0								
7:40 AM	0	0	0	0	0								
7:45 AM	0	0	0	0	0								
7:50 AM	0	0	0	0	0								
7:55 AM	0	0	0	0	0								
8:00 AM	0	0	0	0	0								
8:05 AM	0	0	0	0	0								
8:10 AM	0	0	0	0	0								
8:15 AM	0	0	0	0	0								
8:20 AM	0	0	0	0	0								
8:25 AM	0	0	0	0	0								
8:30 AM	0	0	0	0	0								
8:35 AM	0	0	0	0	0								
8:40 AM	0	0	0	0	0								
8:45 AM	0	0	0	0	0								
8:50 AM	0	0	0	0	0								
8:55 AM	0	0	0	0	0								

BICYCLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:05 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:10 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:20 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:25 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:35 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:40 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:50 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:55 AM	0	0	0	0	0	0	0	0	0	0	0	0	0

SCOOTER VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
7:00 AM													
7:05 AM													
7:10 AM													
7:15 AM													
7:20 AM													
7:25 AM													
7:30 AM													
7:35 AM													
7:40 AM													
7:45 AM													
7:50 AM													
7:55 AM													
8:00 AM													
8:05 AM													
8:10 AM													
8:15 AM													
8:20 AM													
8:25 AM													
8:30 AM													
8:35 AM													
8:40 AM													
8:45 AM													
8:50 AM													
8:55 AM													

ALL-VEHICLE VOLUMES																				
Time Perio	NB Left	NB Thru	NB Right	NB U-Turn	NB RTOR	SB Left	SB Thru	SB Right	SB U-Turn	SB RTOR	EB Left	EB Thru	EB Right	EB U-Turn	EB RTOR	WB Left	WB Thru	WB Right	WB U-Turn	WB RTOR	Total
3:30 PM	0	4	0	0		1	2	0	0		0	0	0	0		1	0	0	0		8
3:35 PM	0	3	0	0		0	6	0	0		0	0	0	0		2	0	0	0		11
3:40 PM	0	3	0	0		1	4	0	0		0	0	0	0		0	0	0	0		8
3:45 PM	0	1	0	0		0	5	0	0		0	0	0	0		0	0	1	0		7
3:50 PM	0	2	0	0		3	5	0	0		0	0	0	0		0	0	1	0		11
3:55 PM	0	4	0	0		3	4	0	0		0	0	0	0		1	0	1	0		13
4:00 PM	0	2	0	0		3	5	0	0		0	0	0	0		0	0	1	0		11
4:05 PM	0	2	1	0		2	5	0	0		0	0	0	0		0	0	2	0		12
4:10 PM	0	2	2	0		0	6	0	0		0	0	0	0		0	0	0	0		10
4:15 PM	0	2	0	0		0	3	0	0		0	0	0	0		2	0	2	0		9
4:20 PM	0	1	0	0		0	7	0	0		0	0	0	0		0	0	1	0		9
4:25 PM	0	3	0	0		0	3	0	0		0	0	0	0		0	0	3	0		9
4:30 PM	0	2	0	0		2	2	0	0		0	0	0	0		0	0	0	0		6
4:35 PM	0	1	0	0		1	5	0	0		0	0	0	0		0	0	0	0		7
4:40 PM	0	1	1	0		3	6	0	0		0	0	0	0		0	0	1	0		12
4:45 PM	0	3	1	0		2	1	0	0		0	0	0	0		0	0	0	0		7
4:50 PM	0	2	1	0		1	4	0	0		0	0	0	0		1	0	0	0		9
4:55 PM	0	1	0	0		1	6	0	0		0	0	0	0		1	0	1	0		10
5:00 PM	0	3	0	0		3	10	0	0		0	0	0	0		0	0	1	0		17
5:05 PM	0	2	1	0		1	6	0	0		0	0	0	0		2	0	0	0		12
5:10 PM	0	0	1	0		3	6	0	0		0	0	0	0		0	0	1	0		11
5:15 PM	0	3	0	0		3	2	0	0		0	0	0	0		0	0	1	0		9
5:20 PM	0	1	1	0		1	6	0	0		0	0	0	0		0	0	0	0		9
5:25 PM	0	3	0	0		5	6	0	0		0	0	0	0		0	0	2	0		16

HEAVY-VEHICLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
3:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
3:50 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:55 PM	0	0	0	1	0	0	0	0	0	0	0	0	1
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:05 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
4:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:50 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0

BUS VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM													
3:35 PM													
3:40 PM													
3:45 PM													
3:50 PM													
3:55 PM													
4:00 PM													
4:05 PM													
4:10 PM													
4:15 PM													
4:20 PM													
4:25 PM													
4:30 PM													
4:35 PM													
4:40 PM													
4:45 PM													
4:50 PM													
4:55 PM													
5:00 PM													
5:05 PM													
5:10 PM													
5:15 PM													
5:20 PM													
5:25 PM													

PEDESTRIAN VOLUMES													
Time Perio	South Leg	North Leg	West Leg	East Leg	Total								
3:30 PM	0	0	0	0	0								
3:35 PM	0	0	0	0	0								
3:40 PM	0	0	0	0	0								
3:45 PM	0	0	0	0	0								
3:50 PM	0	0	0	0	0								
3:55 PM	0	0	0	0	0								
4:00 PM	0	0	0	0	0								
4:05 PM	0	0	0	0	0								
4:10 PM	0	0	0	0	0								
4:15 PM	0	0	0	0	0								
4:20 PM	0	0	0	0	0								
4:25 PM	0	0	0	0	0								
4:30 PM	0	0	0	0	0								
4:35 PM	0	0	0	0	0								
4:40 PM	0	0	0	0	0								
4:45 PM	0	0	0	0	0								
4:50 PM	0	0	0	0	0								
4:55 PM	0	0	0	0	0								
5:00 PM	0	0	0	0	0								
5:05 PM	0	0	0	0	0								
5:10 PM	0	0	0	0	0								
5:15 PM	0	0	0	0	0								
5:20 PM	0	0	0	0	0								
5:25 PM	0	0	0	0	0								

BICYCLE VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	1	0	0	0	0	0	0	0	0	0	1
3:50 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:35 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:40 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:50 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
4:55 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
5:05 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:10 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	1
5:20 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:25 PM	0	0	0	0	0	0	0	0	0	0	0	0	0

SCOOTER VOLUMES													
Time Perio	NB Left	NB Thru	NB Right	SB Left	SB Thru	SB Right	EB Left	EB Thru	EB Right	WB Left	WB Thru	WB Right	Total
3:30 PM													
3:35 PM													
3:40 PM													
3:45 PM													
3:50 PM													
3:55 PM													
4:00 PM													
4:05 PM													
4:10 PM													
4:15 PM													
4:20 PM													
4:25 PM													
4:30 PM													
4:35 PM													
4:40 PM													
4:45 PM													
4:50 PM													
4:55 PM													
5:00 PM													
5:05 PM													
5:10 PM													
5:15 PM													
5:20 PM													
5:25 PM													

ATTACHMENT 2

1: Brennan Rd. & Yosemite Ave (SR 120) Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.3	0.3	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Total Delay (hr)	0.0	0.2	0.0	0.0	1.0	0.0	0.8	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	4.0	1.5	0.7	8.0	4.5	2.8	51.1	35.4	27.9	22.3	21.8	4.7
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.1	0.1	0.0	0.0	0.0
Stop Del/Veh (s)	3.1	0.0	0.0	4.8	0.1	0.0	51.2	31.7	28.0	21.3	18.0	2.3
Total Stops	2	1	3	2	5	0	54	9	12	3	5	0
Stop/Veh	0.67	0.00	0.08	0.67	0.01	0.00	0.98	0.90	0.92	1.00	1.00	0.00
Travel Dist (mi)	0.8	115.9	11.5	1.5	424.3	5.8	6.9	1.2	1.5	0.6	0.9	1.0
Travel Time (hr)	0.0	2.3	0.2	0.0	8.9	0.1	1.1	0.1	0.2	0.0	0.1	0.0
Avg Speed (mph)	38	51	47	39	48	45	7	9	9	15	16	26
Fuel Used (gal)	0.0	3.1	0.3	0.0	11.5	0.1	0.4	0.1	0.1	0.0	0.0	0.0
Fuel Eff. (mpg)	45.9	37.3	43.0	36.5	36.9	38.9	18.9	22.4	24.8	35.8	37.7	41.1
HC Emissions (g)	0	166	14	11	642	10	3	0	3	1	0	3
CO Emissions (g)	6	4037	335	219	14315	208	114	18	51	18	3	57
NOx Emissions (g)	1	495	42	28	1941	28	8	1	6	3	0	9
Vehicles Entered	3	361	36	3	825	11	55	10	12	3	4	5
Vehicles Exited	3	362	36	3	825	12	54	10	13	3	5	5
Hourly Exit Rate	3	362	36	3	825	12	54	10	13	3	5	5
Input Volume	3	359	33	4	826	11	59	8	10	4	5	3
% of Volume	100	101	108	75	100	107	91	118	127	75	95	167
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	2	0	0	9	0	1	0	0	0	0	0

1: Brennan Rd. & Yosemite Ave (SR 120) Performance by movement

Movement	All
Denied Delay (hr)	0.0
Denied Del/Veh (s)	0.1
Total Delay (hr)	2.2
Total Del/Veh (s)	6.0
Stop Delay (hr)	1.1
Stop Del/Veh (s)	2.8
Total Stops	96
Stop/Veh	0.07
Travel Dist (mi)	571.8
Travel Time (hr)	13.2
Avg Speed (mph)	44
Fuel Used (gal)	15.6
Fuel Eff. (mpg)	36.6
HC Emissions (g)	854
CO Emissions (g)	19383
NOx Emissions (g)	2562
Vehicles Entered	1328
Vehicles Exited	1331
Hourly Exit Rate	1331
Input Volume	1326
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	467
Occupancy (veh)	13

2: Brennan Rd. & California St Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Total Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	4.7	2.7	0.2	0.0	1.7	0.4	1.1
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	2.7	2.3	0.0	0.0	0.7	0.6	0.8
Total Stops	5	27	0	0	1	2	35
Stop/Veh	1.00	0.96	0.00	0.00	0.11	0.06	0.27
Travel Dist (mi)	1.3	6.8	7.6	0.7	1.1	4.4	21.9
Travel Time (hr)	0.1	0.3	0.2	0.0	0.0	0.1	0.8
Avg Speed (mph)	25	25	34	29	24	29	29
Fuel Used (gal)	0.0	0.2	0.2	0.0	0.0	0.2	0.6
Fuel Eff. (mpg)	46.3	43.1	42.2	53.8	30.3	22.8	36.0
HC Emissions (g)	0	1	4	0	0	12	18
CO Emissions (g)	3	20	77	1	30	298	429
NOx Emissions (g)	0	2	13	0	1	34	51
Vehicles Entered	5	27	48	4	9	35	128
Vehicles Exited	5	27	48	4	8	35	127
Hourly Exit Rate	5	27	48	4	8	35	127
Input Volume	5	26	51	4	9	33	129
% of Volume	95	104	94	100	86	105	99
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0
Density (ft/veh)							4524
Occupancy (veh)	0	0	0	0	0	0	1

3: Walnut Ave & California St Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.1
Total Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total Del/Veh (s)	4.3	5.0	2.8	4.7	3.5	1.6	0.1	0.0	1.6	0.1	0.0	1.9
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	2.7	2.7	2.2	2.7	3.2	0.1	0.0	0.0	0.2	0.0	0.0	1.1
Total Stops	32	16	6	4	3	0	0	0	0	0	0	61
Stop/Veh	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
Travel Dist (mi)	3.5	1.7	0.6	0.6	0.4	0.2	3.8	0.3	0.1	1.2	1.0	13.4
Travel Time (hr)	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.6
Avg Speed (mph)	19	19	19	20	20	21	25	22	20	24	20	21
Fuel Used (gal)	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3
Fuel Eff. (mpg)	40.7	40.2	39.9	40.2	40.9	39.4	40.2	48.1	33.6	38.9	49.2	40.8
HC Emissions (g)	0	0	0	0	0	0	0	0	0	0	0	1
CO Emissions (g)	11	5	2	1	1	1	10	1	1	3	1	37
NOx Emissions (g)	1	1	0	0	0	0	1	0	0	0	0	4
Vehicles Entered	32	16	6	4	3	2	44	3	2	20	16	148
Vehicles Exited	32	16	5	4	3	2	44	3	2	20	16	147
Hourly Exit Rate	32	16	5	4	3	2	44	3	2	20	16	147
Input Volume	35	16	4	4	2	2	46	3	2	20	14	148
% of Volume	91	102	125	100	150	100	96	100	100	98	116	99
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												3220
Occupancy (veh)	0	0	0	0	0	0	0	0	0	0	0	1

4: Walnut Ave & Yosemite Ave (SR 120) Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Denied Del/Veh (s)	0.0	0.0	0.2	0.4	0.0	0.0	0.3
Total Delay (hr)	0.3	0.0	0.0	0.5	0.3	0.3	1.4
Total Del/Veh (s)	2.6	1.5	3.3	2.3	35.0	15.3	3.9
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.3	0.3	0.6
Stop Del/Veh (s)	0.0	0.1	2.8	0.0	34.5	15.1	1.7
Total Stops	1	2	17	0	35	64	119
Stop/Veh	0.00	0.20	0.50	0.00	1.00	1.00	0.09
Travel Dist (mi)	189.5	5.4	10.2	245.4	2.6	4.7	457.8
Travel Time (hr)	4.1	0.1	0.3	5.6	0.5	0.5	11.1
Avg Speed (mph)	46	43	37	45	6	9	42
Fuel Used (gal)	4.6	0.1	0.2	6.9	0.1	0.2	12.1
Fuel Eff. (mpg)	41.5	47.2	41.4	35.6	18.6	27.1	37.8
HC Emissions (g)	250	1	2	372	0	0	624
CO Emissions (g)	5123	23	89	8376	16	26	13653
NOx Emissions (g)	766	5	11	1127	1	2	1912
Vehicles Entered	370	10	33	799	34	64	1310
Vehicles Exited	370	10	33	800	35	64	1312
Hourly Exit Rate	370	10	33	800	35	64	1312
Input Volume	366	10	32	801	35	68	1312
% of Volume	101	98	102	100	99	94	100
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0
Density (ft/veh)							577
Occupancy (veh)	4	0	0	5	0	1	11

Intersection: 1: Brennan Rd. & Yosemite Ave (SR 120)

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	45	126	176	67
Average Queue (ft)	4	8	64	9
95th Queue (ft)	24	96	151	40
Link Distance (ft)	1689	2671	621	1052
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 2: Brennan Rd. & California St

Movement	WB	SB
Directions Served	LR	L
Maximum Queue (ft)	45	9
Average Queue (ft)	20	0
95th Queue (ft)	47	6
Link Distance (ft)	1321	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		65
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Walnut Ave & California St

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	52	33	3	3
Average Queue (ft)	28	7	0	0
95th Queue (ft)	48	28	3	3
Link Distance (ft)	570	712	462	270
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 4: Walnut Ave & Yosemite Ave (SR 120)

Movement	EB	WB	NB
Directions Served	TR	L	LR
Maximum Queue (ft)	22	49	136
Average Queue (ft)	1	12	54
95th Queue (ft)	10	37	105
Link Distance (ft)	2671	1616	341
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Zone Summary

Zone wide Queuing Penalty: 0

1: Brennan Rd. & Yosemite Ave (SR 120) Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.6	0.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Total Delay (hr)	0.0	0.8	0.0	0.0	0.3	0.0	0.4	0.0	0.1	0.0	0.1	0.0
Total Del/Veh (s)	4.0	3.7	1.6	11.6	2.4	1.5	56.0	27.6	27.7	21.4	20.1	2.2
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.1	0.0
Stop Del/Veh (s)	1.3	0.0	0.1	11.3	0.1	0.2	56.4	24.0	28.1	20.1	15.9	0.0
Total Stops	1	8	14	2	3	0	23	6	6	6	20	0
Stop/Veh	0.33	0.01	0.22	1.00	0.01	0.00	1.00	1.00	0.86	1.00	0.95	0.00
Travel Dist (mi)	1.0	251.3	20.1	1.1	221.8	9.1	2.9	0.7	0.8	1.2	4.1	1.8
Travel Time (hr)	0.0	5.6	0.5	0.0	4.4	0.2	0.5	0.1	0.1	0.1	0.2	0.1
Avg Speed (mph)	39	46	43	37	50	48	6	10	10	16	17	29
Fuel Used (gal)	0.0	6.2	0.4	0.0	6.1	0.2	0.2	0.0	0.0	0.0	0.1	0.0
Fuel Eff. (mpg)	44.6	40.7	47.5	39.7	36.5	40.5	18.7	26.0	25.9	35.4	37.2	45.8
HC Emissions (g)	2	283	12	0	286	14	0	0	0	0	1	4
CO Emissions (g)	45	6687	307	10	6780	311	30	8	9	7	24	61
NOx Emissions (g)	6	863	41	1	900	42	2	0	1	1	2	10
Vehicles Entered	3	785	63	2	430	17	23	6	6	6	20	9
Vehicles Exited	3	784	63	2	428	18	22	6	7	6	21	9
Hourly Exit Rate	3	784	63	2	428	18	22	6	7	6	21	9
Input Volume	4	785	63	3	433	17	21	6	6	6	20	8
% of Volume	75	100	100	67	99	104	104	100	117	100	104	112
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	5	0	0	4	0	0	0	0	0	0	0

1: Brennan Rd. & Yosemite Ave (SR 120) Performance by movement

Movement	All
Denied Delay (hr)	0.2
Denied Del/Veh (s)	0.5
Total Delay (hr)	1.8
Total Del/Veh (s)	4.6
Stop Delay (hr)	0.6
Stop Del/Veh (s)	1.6
Total Stops	89
Stop/Veh	0.06
Travel Dist (mi)	515.9
Travel Time (hr)	11.7
Avg Speed (mph)	45
Fuel Used (gal)	13.3
Fuel Eff. (mpg)	38.6
HC Emissions (g)	603
CO Emissions (g)	14278
NOx Emissions (g)	1867
Vehicles Entered	1370
Vehicles Exited	1369
Hourly Exit Rate	1369
Input Volume	1373
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	532
Occupancy (veh)	12

2: Brennan Rd. & California St Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	3.9	2.3	0.1	0.1	2.3	0.8	1.1
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	2.5	2.2	0.0	0.0	1.4	1.1	1.0
Total Stops	4	9	0	0	2	4	19
Stop/Veh	1.00	1.00	0.00	0.00	0.08	0.07	0.15
Travel Dist (mi)	0.9	2.2	4.1	0.9	3.1	7.6	18.9
Travel Time (hr)	0.0	0.1	0.1	0.0	0.1	0.3	0.7
Avg Speed (mph)	24	26	35	29	23	29	28
Fuel Used (gal)	0.0	0.0	0.1	0.0	0.1	0.3	0.6
Fuel Eff. (mpg)	45.3	44.2	42.2	49.5	25.2	22.9	29.4
HC Emissions (g)	0	0	0	0	1	10	12
CO Emissions (g)	2	4	12	2	100	351	472
NOx Emissions (g)	0	1	2	0	5	28	37
Vehicles Entered	4	9	26	6	25	61	131
Vehicles Exited	4	9	26	6	25	61	131
Hourly Exit Rate	4	9	26	6	25	61	131
Input Volume	4	8	25	6	26	60	130
% of Volume	100	112	103	100	95	102	101
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0
Density (ft/veh)							5089
Occupancy (veh)	0	0	0	0	0	0	1

3: Walnut Ave & California St Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Total Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total Del/Veh (s)	4.3	5.4	3.0	5.7	3.0	1.6	0.1	0.0	1.8	0.2	0.0	1.7
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	2.9	3.0	2.6	3.2	2.8	0.1	0.0	0.0	0.3	0.0	0.0	1.0
Total Stops	15	12	8	4	2	0	0	0	0	0	0	41
Stop/Veh	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
Travel Dist (mi)	1.6	1.4	0.9	0.6	0.3	1.4	1.3	0.2	0.1	1.7	1.3	10.8
Travel Time (hr)	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.5
Avg Speed (mph)	19	19	19	20	20	21	25	21	19	24	21	21
Fuel Used (gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Fuel Eff. (mpg)	41.2	42.9	41.5	44.3	43.7	41.3	39.5	45.6	47.7	41.2	49.9	42.5
HC Emissions (g)	0	0	0	0	0	0	0	0	0	0	0	1
CO Emissions (g)	4	3	3	1	0	5	4	0	0	4	2	28
NOx Emissions (g)	0	0	0	0	0	1	0	0	0	1	0	3
Vehicles Entered	15	12	8	4	2	16	15	3	2	27	22	126
Vehicles Exited	15	12	8	4	2	16	15	3	2	27	22	126
Hourly Exit Rate	15	12	8	4	2	16	15	3	2	27	22	126
Input Volume	15	11	7	5	2	16	16	2	2	28	21	126
% of Volume	98	109	114	80	100	98	92	150	100	96	104	100
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												3957
Occupancy (veh)	0	0	0	0	0	0	0	0	0	0	0	1

4: Walnut Ave & Yosemite Ave (SR 120) Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBT	NBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.1
Total Delay (hr)	1.1	0.0	0.1	0.1	0.1	0.0	0.1	1.4
Total Del/Veh (s)	4.9	3.1	8.2	0.9	32.2	0.0	8.0	3.9
Stop Delay (hr)	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.2
Stop Del/Veh (s)	0.0	0.2	7.6	0.0	31.8	0.0	7.7	0.6
Total Stops	2	6	30	0	7	0	28	73
Stop/Veh	0.00	0.32	0.68	0.00	1.00	0.00	0.97	0.05
Travel Dist (mi)	402.3	9.5	13.4	135.5	0.5	0.1	2.1	563.4
Travel Time (hr)	9.2	0.2	0.4	2.9	0.1	0.0	0.2	13.0
Avg Speed (mph)	44	41	32	47	6	23	13	43
Fuel Used (gal)	9.6	0.2	0.3	3.6	0.0	0.0	0.1	13.8
Fuel Eff. (mpg)	42.0	44.8	41.3	37.6	20.1	27.3	34.4	40.8
HC Emissions (g)	423	1	2	164	0	0	0	591
CO Emissions (g)	8899	52	121	3723	3	1	10	12809
NOx Emissions (g)	1350	9	14	523	0	0	1	1898
Vehicles Entered	779	18	44	441	7	2	29	1320
Vehicles Exited	780	18	43	442	7	2	28	1320
Hourly Exit Rate	780	18	43	442	7	2	28	1320
Input Volume	781	16	46	445	8	1	31	1328
% of Volume	100	111	94	99	88	200	90	99
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0
Density (ft/veh)								488
Occupancy (veh)	9	0	0	3	0	0	0	13

Intersection: 1: Brennan Rd. & Yosemite Ave (SR 120)

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	97	86	99	55
Average Queue (ft)	12	4	33	21
95th Queue (ft)	56	42	79	50
Link Distance (ft)	1689	2671	621	1052
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 2: Brennan Rd. & California St

Movement	WB	SB
Directions Served	LR	L
Maximum Queue (ft)	33	19
Average Queue (ft)	11	1
95th Queue (ft)	35	10
Link Distance (ft)	1320	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		65
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Walnut Ave & California St

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	48	32	12	3
Average Queue (ft)	23	6	1	0
95th Queue (ft)	48	26	8	4
Link Distance (ft)	570	712	462	270
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 4: Walnut Ave & Yosemite Ave (SR 120)

Movement	EB	WB	NB
Directions Served	TR	L	LR
Maximum Queue (ft)	30	57	65
Average Queue (ft)	4	20	25
95th Queue (ft)	19	48	56
Link Distance (ft)	2671	1616	341
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Zone Summary

Zone wide Queuing Penalty: 0

1: Brennan Rd. & Yosemite Ave (SR 120) Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.4	0.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Total Delay (hr)	0.0	0.2	0.0	0.0	1.1	0.0	1.6	0.2	0.1	0.0	0.0	0.0
Total Del/Veh (s)	6.8	1.6	0.8	7.6	4.5	2.8	77.2	70.5	40.9	18.7	19.5	2.3
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.2	0.1	0.0	0.0	0.0
Stop Del/Veh (s)	5.5	0.0	0.2	4.0	0.1	0.0	77.7	67.4	41.4	17.9	15.6	0.0
Total Stops	2	2	5	2	2	0	74	8	13	3	5	0
Stop/Veh	0.67	0.01	0.12	0.67	0.00	0.00	0.97	0.89	1.00	1.00	0.83	0.00
Travel Dist (mi)	0.8	115.0	13.1	1.6	434.5	5.5	9.3	1.1	1.6	0.6	1.1	0.8
Travel Time (hr)	0.0	2.3	0.3	0.0	9.2	0.1	2.0	0.2	0.2	0.0	0.1	0.0
Avg Speed (mph)	34	51	47	40	47	45	5	5	7	17	17	29
Fuel Used (gal)	0.0	3.1	0.3	0.0	11.8	0.1	0.6	0.1	0.1	0.0	0.0	0.0
Fuel Eff. (mpg)	39.8	37.2	42.9	36.4	37.0	40.9	14.5	15.2	20.4	37.0	37.5	45.9
HC Emissions (g)	0	168	18	12	682	11	4	0	4	1	0	2
CO Emissions (g)	9	4086	422	234	15090	220	186	20	71	16	5	36
NOx Emissions (g)	1	497	53	30	2049	29	11	1	7	2	1	6
Vehicles Entered	3	359	41	3	847	11	74	9	13	3	5	4
Vehicles Exited	3	359	41	3	846	10	75	9	13	3	5	4
Hourly Exit Rate	3	359	41	3	846	10	75	9	13	3	5	4
Input Volume	3	359	38	5	827	11	74	10	12	4	5	3
% of Volume	100	100	109	57	102	89	101	92	106	75	95	133
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	2	0	0	9	0	2	0	0	0	0	0

1: Brennan Rd. & Yosemite Ave (SR 120) Performance by movement

Movement	All
Denied Delay (hr)	0.0
Denied Del/Veh (s)	0.1
Total Delay (hr)	3.3
Total Del/Veh (s)	8.5
Stop Delay (hr)	2.0
Stop Del/Veh (s)	5.3
Total Stops	116
Stop/Veh	0.08
Travel Dist (mi)	585.0
Travel Time (hr)	14.5
Avg Speed (mph)	40
Fuel Used (gal)	16.2
Fuel Eff. (mpg)	36.1
HC Emissions (g)	903
CO Emissions (g)	20393
NOx Emissions (g)	2687
Vehicles Entered	1372
Vehicles Exited	1371
Hourly Exit Rate	1371
Input Volume	1351
% of Volume	101
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	424
Occupancy (veh)	14

2: Brennan Rd. & California St Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Total Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total Del/Veh (s)	4.4	2.9	0.3	0.1	1.9	0.4	1.3
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	2.5	2.5	0.0	0.0	0.7	0.7	1.0
Total Stops	6	44	0	0	1	2	53
Stop/Veh	1.00	1.00	0.00	0.00	0.07	0.05	0.34
Travel Dist (mi)	1.4	11.0	8.0	1.1	1.8	4.3	27.6
Travel Time (hr)	0.1	0.4	0.2	0.0	0.1	0.2	1.0
Avg Speed (mph)	25	25	34	29	24	29	28
Fuel Used (gal)	0.0	0.3	0.2	0.0	0.1	0.2	0.8
Fuel Eff. (mpg)	41.9	43.4	41.3	51.0	25.9	23.2	36.5
HC Emissions (g)	0	1	6	0	1	13	21
CO Emissions (g)	4	31	102	3	49	302	491
NOx Emissions (g)	0	4	18	0	2	34	59
Vehicles Entered	6	44	51	7	14	36	158
Vehicles Exited	6	44	51	7	14	36	158
Hourly Exit Rate	6	44	51	7	14	36	158
Input Volume	7	44	51	6	15	34	158
% of Volume	83	101	100	112	95	104	100
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0
Density (ft/veh)							3480
Occupancy (veh)	0	0	0	0	0	0	1

3: Walnut Ave & California St Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Total Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total Del/Veh (s)	4.3	5.3	3.0	4.9	2.5	1.7	0.1	0.0	1.4	0.0	0.0	2.3
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	2.7	2.7	2.5	2.8	2.4	0.0	0.0	0.0	0.2	0.0	0.0	1.4
Total Stops	50	22	7	6	3	0	0	0	0	0	0	88
Stop/Veh	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
Travel Dist (mi)	5.3	2.4	0.8	0.8	0.4	0.2	4.1	0.3	0.1	1.1	1.0	16.4
Travel Time (hr)	0.3	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.8
Avg Speed (mph)	19	19	19	20	20	21	25	22	19	24	20	20
Fuel Used (gal)	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4
Fuel Eff. (mpg)	39.4	39.5	37.8	44.9	42.2	39.7	39.8	49.2	43.5	41.4	50.4	40.6
HC Emissions (g)	0	0	0	0	0	0	0	0	0	0	0	1
CO Emissions (g)	19	9	3	2	1	1	10	1	0	2	2	50
NOx Emissions (g)	2	1	0	0	0	0	1	0	0	0	0	6
Vehicles Entered	49	22	7	6	3	2	46	4	2	18	16	175
Vehicles Exited	49	22	7	6	3	2	46	4	2	18	16	175
Hourly Exit Rate	49	22	7	6	3	2	46	4	2	18	16	175
Input Volume	46	24	6	5	2	3	46	3	2	20	18	175
% of Volume	107	92	112	114	150	67	100	133	100	90	90	100
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												2563
Occupancy (veh)	0	0	0	0	0	0	0	0	0	0	0	1

4: Walnut Ave & Yosemite Ave (SR 120) Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Denied Del/Veh (s)	0.0	0.0	0.3	0.4	0.0	0.0	0.3
Total Delay (hr)	0.3	0.0	0.0	0.6	0.4	0.4	1.6
Total Del/Veh (s)	2.7	1.3	3.7	2.4	35.2	17.7	4.3
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.3	0.4	0.8
Stop Del/Veh (s)	0.0	0.1	3.3	0.0	34.8	17.5	2.1
Total Stops	0	2	17	0	35	83	137
Stop/Veh	0.00	0.20	0.50	0.00	0.97	1.00	0.10
Travel Dist (mi)	189.1	5.0	10.4	251.8	2.6	6.2	465.1
Travel Time (hr)	4.1	0.1	0.3	5.7	0.5	0.7	11.5
Avg Speed (mph)	46	44	36	45	6	9	41
Fuel Used (gal)	4.6	0.1	0.2	7.1	0.1	0.2	12.4
Fuel Eff. (mpg)	41.5	45.8	42.8	35.5	18.9	26.0	37.6
HC Emissions (g)	250	1	2	394	0	0	647
CO Emissions (g)	5141	22	95	8829	14	33	14135
NOx Emissions (g)	766	5	11	1187	1	3	1973
Vehicles Entered	368	10	34	820	36	83	1351
Vehicles Exited	368	10	34	820	35	82	1349
Hourly Exit Rate	368	10	34	820	35	82	1349
Input Volume	367	10	36	802	35	79	1330
% of Volume	100	98	94	102	99	103	101
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0
Density (ft/veh)							558
Occupancy (veh)	4	0	0	6	0	1	11

Intersection: 1: Brennan Rd. & Yosemite Ave (SR 120)

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	73	98	258	52
Average Queue (ft)	7	5	93	10
95th Queue (ft)	40	48	215	40
Link Distance (ft)	1689	2671	621	1052
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 2: Brennan Rd. & California St

Movement	WB	SB
Directions Served	LR	L
Maximum Queue (ft)	57	15
Average Queue (ft)	27	1
95th Queue (ft)	50	9
Link Distance (ft)	1321	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		65
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: Walnut Ave & California St

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	61	33	3	6
Average Queue (ft)	31	8	0	0
95th Queue (ft)	52	31	3	4
Link Distance (ft)	570	712	462	270
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 4: Walnut Ave & Yosemite Ave (SR 120)

Movement	EB	WB	WB	NB
Directions Served	TR	L	T	LR
Maximum Queue (ft)	18	44	9	192
Average Queue (ft)	1	12	0	62
95th Queue (ft)	8	36	9	137
Link Distance (ft)	2671	1616	1616	341
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Zone Summary

Zone wide Queuing Penalty: 0

1: Brennan Rd. & Yosemite Ave (SR 120) Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Delay (hr)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.5	0.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Total Delay (hr)	0.0	1.0	0.1	0.0	0.4	0.0	0.5	0.1	0.1	0.0	0.2	0.0
Total Del/Veh (s)	3.2	4.5	2.3	13.7	3.1	1.6	67.2	31.6	35.2	18.5	26.9	2.7
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.1	0.1	0.0	0.1	0.0
Stop Del/Veh (s)	0.8	0.1	0.2	12.8	0.5	0.2	67.5	28.1	35.6	17.4	22.5	0.1
Total Stops	1	16	25	3	7	0	28	6	8	6	21	0
Stop/Veh	0.33	0.02	0.31	0.75	0.02	0.00	1.00	0.86	1.00	1.00	1.00	0.00
Travel Dist (mi)	0.9	249.8	25.6	1.9	222.8	9.0	3.5	0.8	1.0	1.1	4.1	1.8
Travel Time (hr)	0.0	5.8	0.6	0.1	4.5	0.2	0.7	0.1	0.1	0.1	0.3	0.1
Avg Speed (mph)	40	45	42	35	49	48	5	9	8	17	15	28
Fuel Used (gal)	0.0	6.0	0.5	0.0	6.1	0.2	0.2	0.0	0.0	0.0	0.1	0.0
Fuel Eff. (mpg)	45.2	41.4	48.4	40.5	36.5	39.8	16.1	23.1	20.5	34.2	34.5	41.7
HC Emissions (g)	1	275	12	0	294	16	1	0	0	0	1	5
CO Emissions (g)	22	6536	331	17	6921	351	50	13	17	7	26	77
NOx Emissions (g)	2	832	44	2	913	45	3	1	1	1	2	12
Vehicles Entered	3	780	80	4	432	17	27	7	8	6	21	10
Vehicles Exited	3	780	80	4	431	18	28	7	8	6	21	10
Hourly Exit Rate	3	780	80	4	431	18	28	7	8	6	21	10
Input Volume	4	785	80	5	433	17	26	7	7	6	20	8
% of Volume	75	99	100	80	100	104	107	97	114	100	104	125
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												
Occupancy (veh)	0	6	1	0	5	0	1	0	0	0	0	0

1: Brennan Rd. & Yosemite Ave (SR 120) Performance by movement

Movement	All
Denied Delay (hr)	0.2
Denied Del/Veh (s)	0.6
Total Delay (hr)	2.3
Total Del/Veh (s)	5.9
Stop Delay (hr)	0.9
Stop Del/Veh (s)	2.3
Total Stops	121
Stop/Veh	0.09
Travel Dist (mi)	522.5
Travel Time (hr)	12.5
Avg Speed (mph)	43
Fuel Used (gal)	13.5
Fuel Eff. (mpg)	38.8
HC Emissions (g)	605
CO Emissions (g)	14369
NOx Emissions (g)	1858
Vehicles Entered	1395
Vehicles Exited	1396
Hourly Exit Rate	1396
Input Volume	1399
% of Volume	100
Denied Entry Before	0
Denied Entry After	0
Density (ft/veh)	501
Occupancy (veh)	12

2: Brennan Rd. & California St Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Total Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total Del/Veh (s)	5.1	2.6	0.1	0.1	2.2	0.7	1.3
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	3.4	2.4	0.0	0.0	1.7	1.5	1.4
Total Stops	5	16	0	0	4	5	30
Stop/Veh	1.00	1.00	0.00	0.00	0.09	0.08	0.18
Travel Dist (mi)	1.3	4.0	4.1	1.9	5.6	7.4	24.3
Travel Time (hr)	0.1	0.2	0.1	0.1	0.2	0.3	0.9
Avg Speed (mph)	24	25	34	29	23	27	27
Fuel Used (gal)	0.0	0.1	0.1	0.0	0.2	0.3	0.8
Fuel Eff. (mpg)	44.5	43.4	42.1	51.0	25.0	22.1	29.8
HC Emissions (g)	0	0	1	0	2	9	13
CO Emissions (g)	3	10	15	6	179	335	547
NOx Emissions (g)	0	1	2	1	8	27	41
Vehicles Entered	5	16	26	12	45	60	164
Vehicles Exited	5	16	26	12	45	60	164
Hourly Exit Rate	5	16	26	12	45	60	164
Input Volume	6	15	25	10	45	61	162
% of Volume	83	105	103	120	101	99	101
Denied Entry Before	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0
Density (ft/veh)							3763
Occupancy (veh)	0	0	0	0	0	0	1

3: Walnut Ave & California St Performance by movement

Movement	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Total Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total Del/Veh (s)	4.2	5.0	3.2	5.2	3.3	1.7	0.2	0.0	1.1	0.2	0.1	2.0
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	2.6	2.8	2.8	3.0	3.0	0.2	0.0	0.0	0.0	0.0	0.0	1.1
Total Stops	23	20	12	5	2	2	0	0	0	0	0	64
Stop/Veh	1.00	1.00	1.00	1.00	1.00	0.08	0.00	0.00	0.00	0.00	0.00	0.39
Travel Dist (mi)	2.4	2.1	1.3	0.7	0.3	2.2	1.3	0.3	0.1	1.6	1.8	14.2
Travel Time (hr)	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.7
Avg Speed (mph)	19	19	19	20	20	21	25	22	20	24	20	20
Fuel Used (gal)	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3
Fuel Eff. (mpg)	41.8	40.9	40.7	45.0	46.0	39.3	39.2	44.0	47.0	40.9	50.4	42.0
HC Emissions (g)	0	0	0	0	0	0	0	0	0	0	0	1
CO Emissions (g)	7	6	4	1	1	10	4	1	0	4	3	42
NOx Emissions (g)	1	1	0	0	0	1	1	0	0	1	0	5
Vehicles Entered	23	20	12	5	2	25	15	3	2	26	30	163
Vehicles Exited	23	20	12	5	2	25	15	3	2	26	30	163
Hourly Exit Rate	23	20	12	5	2	25	15	3	2	26	30	163
Input Volume	21	18	11	7	2	26	16	2	2	28	30	165
% of Volume	108	110	109	71	100	95	92	150	100	91	99	99
Denied Entry Before	0	0	0	0	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0	0	0	0	0
Density (ft/veh)												2955
Occupancy (veh)	0	0	0	0	0	0	0	0	0	0	0	1

4: Walnut Ave & Yosemite Ave (SR 120) Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBT	NBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.1
Total Delay (hr)	1.1	0.0	0.2	0.1	0.1	0.0	0.1	1.6
Total Del/Veh (s)	5.1	3.5	10.7	0.9	33.8	0.1	11.9	4.2
Stop Delay (hr)	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.3
Stop Del/Veh (s)	0.0	0.2	10.0	0.0	33.2	0.0	11.7	0.9
Total Stops	3	5	41	0	7	0	36	92
Stop/Veh	0.00	0.31	0.80	0.00	1.00	0.00	1.00	0.07
Travel Dist (mi)	401.8	8.3	15.6	137.1	0.5	0.1	2.7	566.1
Travel Time (hr)	9.3	0.2	0.5	2.9	0.1	0.0	0.2	13.2
Avg Speed (mph)	43	41	29	48	6	23	11	43
Fuel Used (gal)	9.8	0.2	0.4	3.7	0.0	0.0	0.1	14.2
Fuel Eff. (mpg)	40.9	43.0	39.0	37.5	19.4	33.7	31.1	39.9
HC Emissions (g)	435	1	3	170	0	0	0	609
CO Emissions (g)	9437	53	170	3839	3	0	13	13515
NOx Emissions (g)	1378	8	17	538	0	0	1	1942
Vehicles Entered	778	16	51	447	7	2	36	1337
Vehicles Exited	779	16	51	446	7	2	36	1337
Hourly Exit Rate	779	16	51	446	7	2	36	1337
Input Volume	782	16	55	447	8	1	37	1346
% of Volume	100	98	93	100	88	160	98	99
Denied Entry Before	0	0	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0	0	0
Density (ft/veh)								480
Occupancy (veh)	9	0	1	3	0	0	0	13

Intersection: 1: Brennan Rd. & Yosemite Ave (SR 120)

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	101	190	108	68
Average Queue (ft)	16	12	40	23
95th Queue (ft)	59	98	91	57
Link Distance (ft)	1689	2671	621	1052
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 2: Brennan Rd. & California St

Movement	WB	SB
Directions Served	LR	L
Maximum Queue (ft)	33	27
Average Queue (ft)	16	2
95th Queue (ft)	41	13
Link Distance (ft)	1320	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		65
Storage Blk Time (%)		0
Queuing Penalty (veh)		0

Intersection: 3: Walnut Ave & California St

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LTR	LTR
Maximum Queue (ft)	54	32	28	6
Average Queue (ft)	29	7	2	0
95th Queue (ft)	49	27	14	5
Link Distance (ft)	570	712	462	270
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 4: Walnut Ave & Yosemite Ave (SR 120)

Movement	EB	WB	NB
Directions Served	TR	L	LR
Maximum Queue (ft)	44	68	88
Average Queue (ft)	5	25	31
95th Queue (ft)	23	56	68
Link Distance (ft)	2671	1616	341
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Zone Summary

Zone wide Queuing Penalty: 0

FEHR PEERS

Major Street	SR 120
Minor Street	Brennan Road

Project	Murphy Ranch
Scenario	Existing
Peak Hour	AM

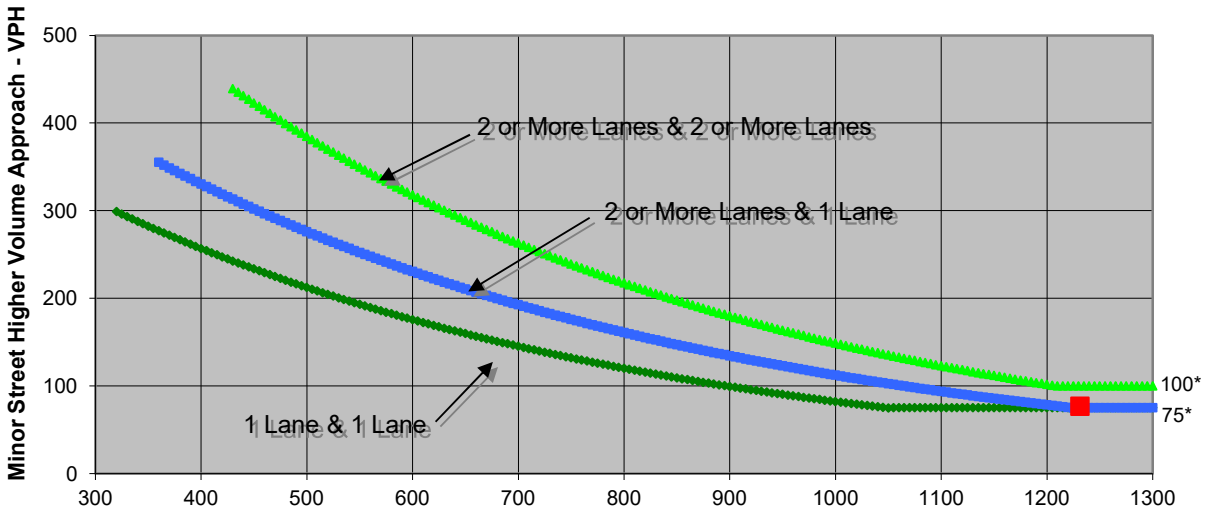
Turn Movement Volumes

	NB	SB	EB	WB
Left	59	4	3	4
Through	8	5	359	821
Right	10	3	33	11
Total	77	12	395	836

Major Street Direction

	North/South
x	East/West

Figure 4C-4. Warrant 3B, Peak Hour (70% Factor)
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET



* Note: 100 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	SR 120	Brennan Road	
Number of Approach Lanes	**1**	**1**	**YES**
Traffic Volume (VPH) *	**1,231**	**77**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Major Street	SR 120
Minor Street	Brennan Road

Project	Murphy Ranch
Scenario	Existing
Peak Hour	PM

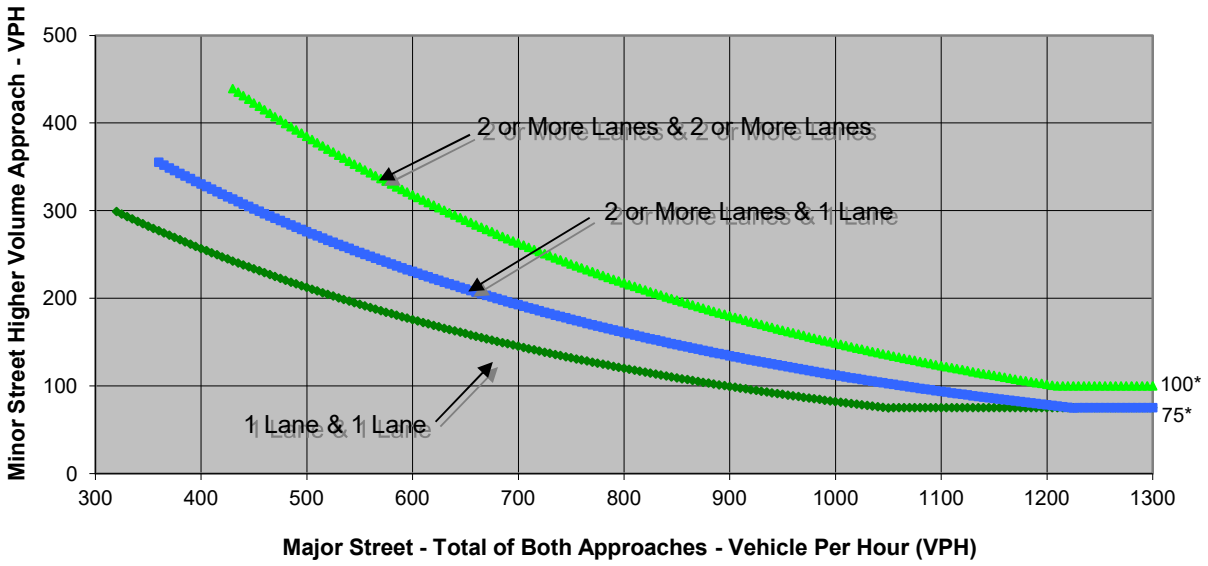
Turn Movement Volumes

	NB	SB	EB	WB
Left	21	6	4	3
Through	6	20	785	433
Right	6	8	63	17
Total	33	34	852	453

Major Street Direction

	North/South
x	East/West

Figure 4C-4. Warrant 3B, Peak Hour (70% Factor)
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET



* Note: 100 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	SR 120	Brennan Road	
Number of Approach Lanes	**1**	**1**	**NO**
Traffic Volume (VPH) *	**1,305**	**34**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

ATTACHMENT 3

Escalon Police Department Traffic Summary

Location: California Street between Brennan & Reisling

Dates: From: 12/6/2024 To: 12/20/2024 Days of Study: 14

Westbound Traffic (12/6/24 - 12/13/2024)	
Total Vehicles	2,248
Daily Average	321
Maximum Speed	111
Average Speed	21
Median Speed	21
85th Percentile Speed	23
10 MPH Pace	16 to 25

Eastbound Traffic (12/13/2024 - 12/20/2024)	
Total Vehicles	1,909
Daily Average	273
Maximum Speed	116
Average Speed	19
Median Speed	19
85th Percentile Speed	21
10 MPH Pace	16 to 25 MPH

		% of traffic	% of speeders
Total Speeders	541	24.07%	
1 to 5 MPH Over	432	19.22%	79.85%
6 to 10 MPH Over	97	4.31%	17.93%
11+ Over	12	0.53%	2.22%

		% of traffic	% of speeders
Total Speeders	289	15.14%	
1 to 5 MPH Over	261	13.67%	90.31%
6 to 10 MPH Over	25	1.31%	8.65%
11+ Over	3	0.16%	1.04%

ALL Traffic	
Total Vehicles	4,157
Daily Average	594
Maximum Speed	65
Average Speed	13
Median Speed	13
85th Percentile Speed	14
10 MPH Pace	6 to 16 MPH

		% of traffic	% of speeders	
Total Speeders	830	19.97%		
1 to 5 MPH Over	693	16.67%	83.49%	98.19%
6 to 10 MPH Over	122	2.93%	14.70%	
11+ Over	15	0.36%	1.81%	

The radar trailer was placed on California Street abetween Brennan Road and Reisling Way for a total of 14 days. It was first placed on California Street west of Celivo Way to capture westbound traffic for a week and then moved to California Street east of Chelestina Lane to capture eastbound traffic for a week.

In a two week period, 4,157 vehicles passed through the area, an average of 594 vehicles per day. Of those, 19.97% (830 vehicles) were traveling above the posted speed limit of 25 miles per hour. Of the vehicles speeding, 83.49% (16.67% of total traffic) were traveling between 1 and 5 miles per hour over the posted speed limit, 14.70% of speeders (2.93% of total traffic) were traveling between 6 to 10 mph over the posted speed limit, and only 1.81% of speeders (0.36% of total traffic) was traveling 11 mph or more above the posted speed limit.

Of the speeding vehicles, three were traveling in excess of 100 mph. 12/6/24 (Friday) between 1700 hours and 2300 hours, 12/8/24(Sunday) between 1700 hours and 2300 hours, and 12/18/24 (Wednesday) between 1600 hours and 2200 hours.

* 85th Percentile Speed = 85% of vehicles are traveling at or under this speed

** 10 MPH Pace = The speeds between which the majority of traffic is traveling

APPENDIX H
TRIBAL CONSULTATION RESOURCES

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Vacant

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok, Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

January 12, 2024

Diana Trejo
City of Escalon

***Via Email to*: dtrejo@cityofescalon.org**

Re: General Plan Amendment - Housing Element Update Project, San Joaquin County

Dear Ms. Trejo:

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 negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. 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: Pricilla.Torres-Fuentes@nahc.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

CITY OF ESCALON

DEVELOPMENT SERVICES

2060 McHenry Avenue ▪ Escalon, California 95320 ▪ Office 209.691-7422 Fax 209.691-7439

April 26, 2024

Buena Vista Rancheria of Me-Wuk Indians
Rhonda Morningstar-Pope, Chairperson
1418 20th Street, Suite 200
Sacramento, Ca. 95811

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch Specific Plan

Dear Cultural Preservation Department,

The City of Escalon is considering approval of the approval of a Specific Plan to guide the development of two parcels, totaling 17.98 acres, which are proposed to be subdivided into 73 lots for single-family residential development. The project site is in unincorporated San Joaquin County adjacent to the western city limits of Escalon (see attached figures).

Your tribe has been identified as a possible interested party in this project by the Native American Heritage Commission (NAHC) in a letter related to a separate Escalon project dated January 12, 2024 (copy attached).

California Assembly Bill 52 (AB52) requires that CEQ Lead Agencies notify tribes that have requested AB52 notification of any project that the tribe may request consultation. No known tribes have requested notification from the City of Escalon. The City has, however, decided to provide this notification to potentially-interested tribes identified by the NAHC.

The City of Escalon is the CEQA Lead Agency for the proposed project and hereby provides the tribe with notice. The tribe has 30 days from receipt of this letter to indicate if it wishes to consult on this project. If no response is received, it will be assumed that the tribe declines consultation.

Attached is a record search obtained from the Central California Information Center (CCIC) indicating there are no recorded resources of known sensitivity on or near the project site.

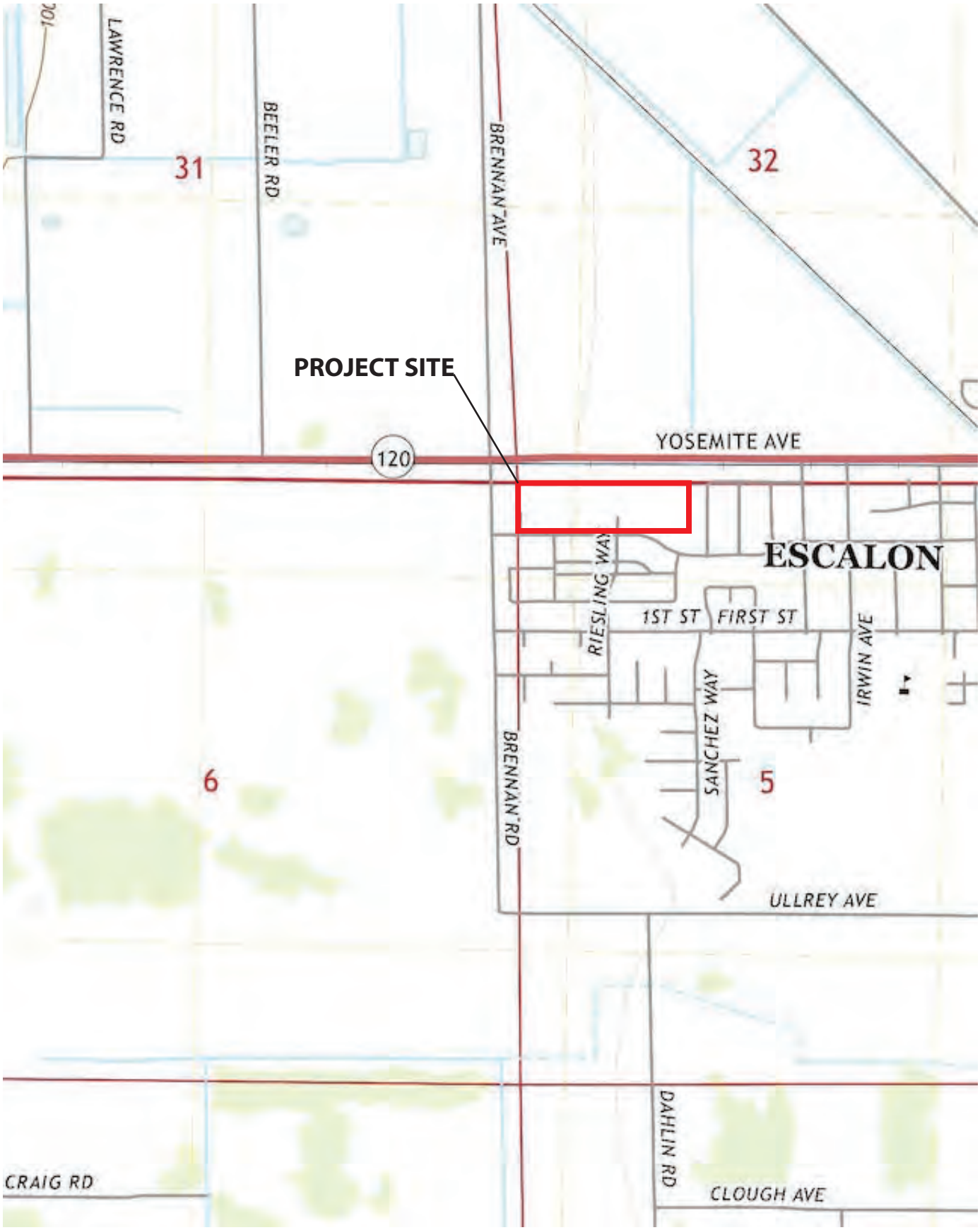
If the tribe desires to consult on this project, please send a written response to Diana Trejo, Assistant Planner, City of Escalon, 2060 McHenry Avenue, Escalon, CA 95320. In your response, please designate the lead contact person for this consultation, along with contact information. If you have any questions, please contact me at (209) 691-7422.

Sincerely,

Diana Trejo

Diana Trejo, Assistant Planner, City of Escalon

- Location Map
- CCIC Report
- NAHC Letter (Escalon Project)



SOURCE: USGS Quadrangle Map, Avena CA , 2021

CENTRAL CALIFORNIA INFORMATION CENTER
California Historical Resources Information System
Department of Anthropology – California State University, Stanislaus
One University Circle, Turlock, California 95382
(209) 667-3307

Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
Project: Murphy Ranch, T2S R9E NW ¼ Section 5, APNs 225-040-28 & 225-040-29

Krista Simpson
BaseCamp Environmental, Inc.
802 West Lodi Ave.
Lodi, CA 95240
209-224-8213 ksimpson@basecampenv.com

Invoice to: rbeck@basecampenv.com

Dear Ms. Simpson:

We have conducted a non-confidential extended records search as per your request for the above-referenced project area located on the Avena USGS 7.5-minute quadrangle map in San Joaquin County.

Search of our files includes review of our maps for the specific project area and the immediate vicinity of the project area, and review of the following:

National Register of Historic Places (NRHP)
California Register of Historical Resources (CRHR)
California Inventory of Historic Resources (1976)
California Historical Landmarks
California Points of Historical Interest listing
Office of Historic Preservation Built Environment Resource Directory (BERD) and the Archaeological Resources Directory (ARD)
Survey of Surveys (1989)
Caltrans State and Local Bridges Inventory
General Land Office Plats
Other pertinent historic data available at the CCaIC for each specific county

The following details the results of the records search:

Prehistoric or historic resources within the project area:

- There are no formally recorded prehistoric or historic archaeological resources or historic buildings or structures within the project area.

- The General Land Office survey plat for T2S R9E (dated 1854) shows the NW ¼ of Section 5 divided into two parcels: 80.7 acres in the north half and 80 acres in the south half.

- The General Land Office survey plat for T2S R9E (dated 1873) shows the NW ¼ of Section 5 divided into three parcels. The north half shows 40.39 acres on the west and 40.37 acres on the east, with 80 acres on the south half.

- The Map of the County of San Joaquin, California (1883) shows Brennan Avenue and French Camp Road (aka SR 120/Yosemite Avenue), with John W. Jones the landowner in Section 5, T2S R9E at that time.

- The 1914 edition of the Avena USGS quadrangle references the railroad, Brennan Road, and French Camp Road/SR 120 alignments.

- The 1952 edition of the Avena USGS quadrangle also references two buildings within the project that would be 71 years in age (or older), considered as possible historical resources. We have no further information on file regarding these buildings.

Prehistoric or historic resources within the immediate vicinity of the project area: None has been formally reported to the Information Center.

Resources that are known to have value to local cultural groups: None has been formally reported to the Information Center.

Previous investigations within the project area: None has been formally reported to the Information Center.

Recommendations/Comments:

Please be advised that a historical resource is defined as a building, structure, object, prehistoric or historic archaeological site, or district possessing physical evidence of human activities over 45 years old. Since the project area has not been subject to previous investigations, there may be unidentified features involved in your project that are 45 years or older and considered as historical resources requiring further study and evaluation by a qualified professional of the appropriate discipline.

If the current project does not include ground disturbance, further study for archaeological resources is not recommended at this time. If ground disturbance is considered a part of the current project, we recommend further review for the possibility of identifying prehistoric or historic-era archaeological resources.

If the proposed project contains buildings or structures that meet the minimum age requirement (45 years in age or older) it is recommended that the resource/s be assessed by a professional familiar with architecture and history of the county. Review of the available historic

building/structure data has included only those sources listed above and should not be considered comprehensive.

If at any time you might require the services of a qualified professional the Statewide Referral List for Historical Resources Consultants is posted for your use on the internet at http://chrisinfo.org

If archaeological resources are encountered during project-related activities**,** work should be temporarily halted in the vicinity of the discovered materials and workers should avoid altering the materials and their context until a qualified professional archaeologist has evaluated the situation and provided appropriate recommendations. Project personnel should not collect cultural resources.

If human remains are discovered, California Health and Safety Code Section 7050.5 requires you to protect the discovery and notify the county coroner, who will determine if the find is Native American. If the remains are recognized as Native American, the coroner shall then notify the Native American Heritage Commission (NAHC). California Public Resources Code Section 5097.98 authorizes the NAHC to appoint a Most Likely Descendant (MLD) who will make recommendations for the treatment of the discovery.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the State Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

We thank you for contacting this office regarding historical resource preservation. Please let us know when we can be of further service. Thank you for sending the **Access Agreement Short Form.**

Note: Billing will be transmitted separately via email from the Financial Services office ($150.00), payable within 60 days of receipt of the invoice.

If you wish to include payment by Credit Card, you must wait to receive the official invoice from Financial Services so that you can reference the CMP # (Invoice Number), and then contact the link below:

https://commerce.cashnet.com/ANTHROPOLOGY

Sincerely,

E. A. Greathouse

E. A. Greathouse, Coordinator
Central California Information Center
California Historical Resources Information System

* Invoice Request sent to: ARBilling@csustan.edu, CSU Stanislaus Financial Services

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

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Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

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NAHC HEADQUARTERS
1550 Harbor Boulevard
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January 12, 2024

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City of Escalon

***Via Email to*: dtrejo@cityofescalon.org**

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Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

CITY OF
ESCALON
2060 McHenry Avenue
Escalon, CA 95320



Buena Vista Rancheria of Me-Wuk Indians
Rhonda Morningstar-Pope, Chairperson
1418 20th Street, Suite 200
Sacramento, Ca. 95811

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch Spc

CITY OF ESCALON

DEVELOPMENT SERVICES

2060 McHenry Avenue ▪ Escalon, California 95320 ▪ Office 209.691-7422 Fax 209.691-7439

April 26, 2024

California Valley Miwok Tribe
14807 Avenida Central
La Grange, Ca. 95329

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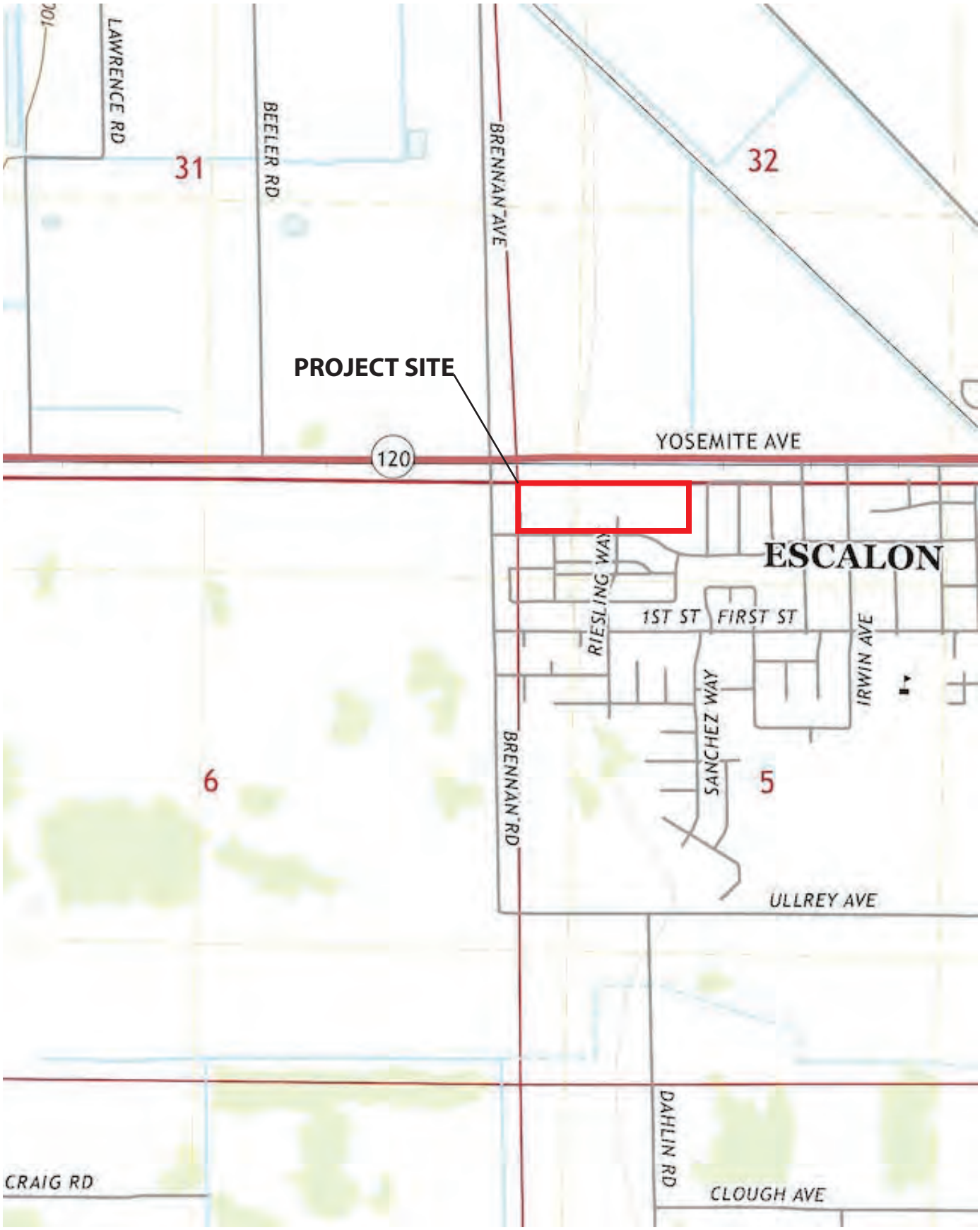

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Department of Anthropology – California State University, Stanislaus
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Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
Project: Murphy Ranch, T2S R9E NW ¼ Section 5, APNs 225-040-28 & 225-040-29

Krista Simpson
BaseCamp Environmental, Inc.
802 West Lodi Ave.
Lodi, CA 95240
209-224-8213 ksimpson@basecampenv.com

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E. A. Greathouse

E. A. Greathouse, Coordinator
Central California Information Center
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* Invoice Request sent to: ARBilling@csustan.edu, CSU Stanislaus Financial Services

NATIVE AMERICAN HERITAGE COMMISSION

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Miwok, Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

January 12, 2024

Diana Trejo
City of Escalon

***Via Email to*: dtrejo@cityofescalon.org**

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Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

CITY OF
ESCALON
2060 McHenry Avenue
Escalon, CA 95320



California Valley Miwok Tribe
14807 Avenida Central
La Grange, Ca. 95329

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch S

CITY OF ESCALON

DEVELOPMENT SERVICES

2060 McHenry Avenue ▪ Escalon, California 95320 ▪ Office 209.691-7422 Fax 209.691-7439

April 26, 2024

California Valley Miwok Tribe
AKA Sheep Rancheria of Me-Wuk Indians of Ca
P.O. Box 395
West Point, Ca. 95255

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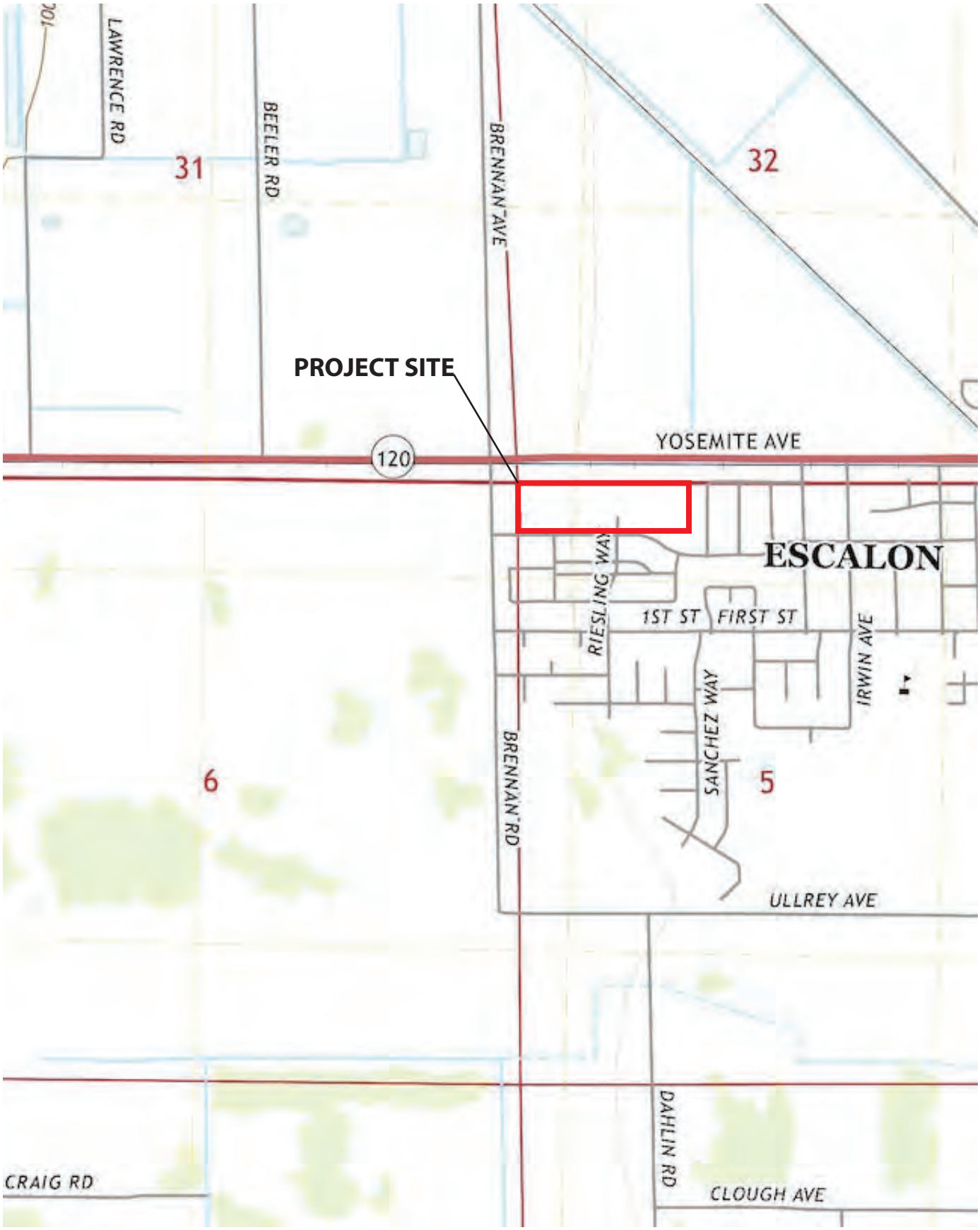

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California Historical Resources Information System
Department of Anthropology – California State University, Stanislaus
One University Circle, Turlock, California 95382
(209) 667-3307

Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
Project: Murphy Ranch, T2S R9E NW ¼ Section 5, APNs 225-040-28 & 225-040-29

Krista Simpson
BaseCamp Environmental, Inc.
802 West Lodi Ave.
Lodi, CA 95240
209-224-8213 ksimpson@basecampenv.com

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January 12, 2024

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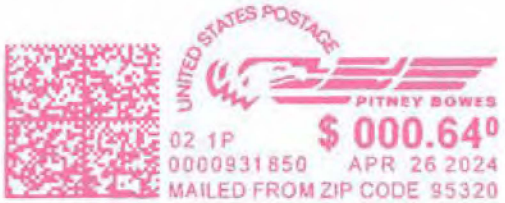

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DEVELOPMENT SERVICES

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April 26, 2024

Ione Band of Miwok Indians
Sara Dutschke, Chariperson
9252 Bush Street
Plymouth, Ca. 95669

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch Specific Plan

Dear Cultural Preservation Department,

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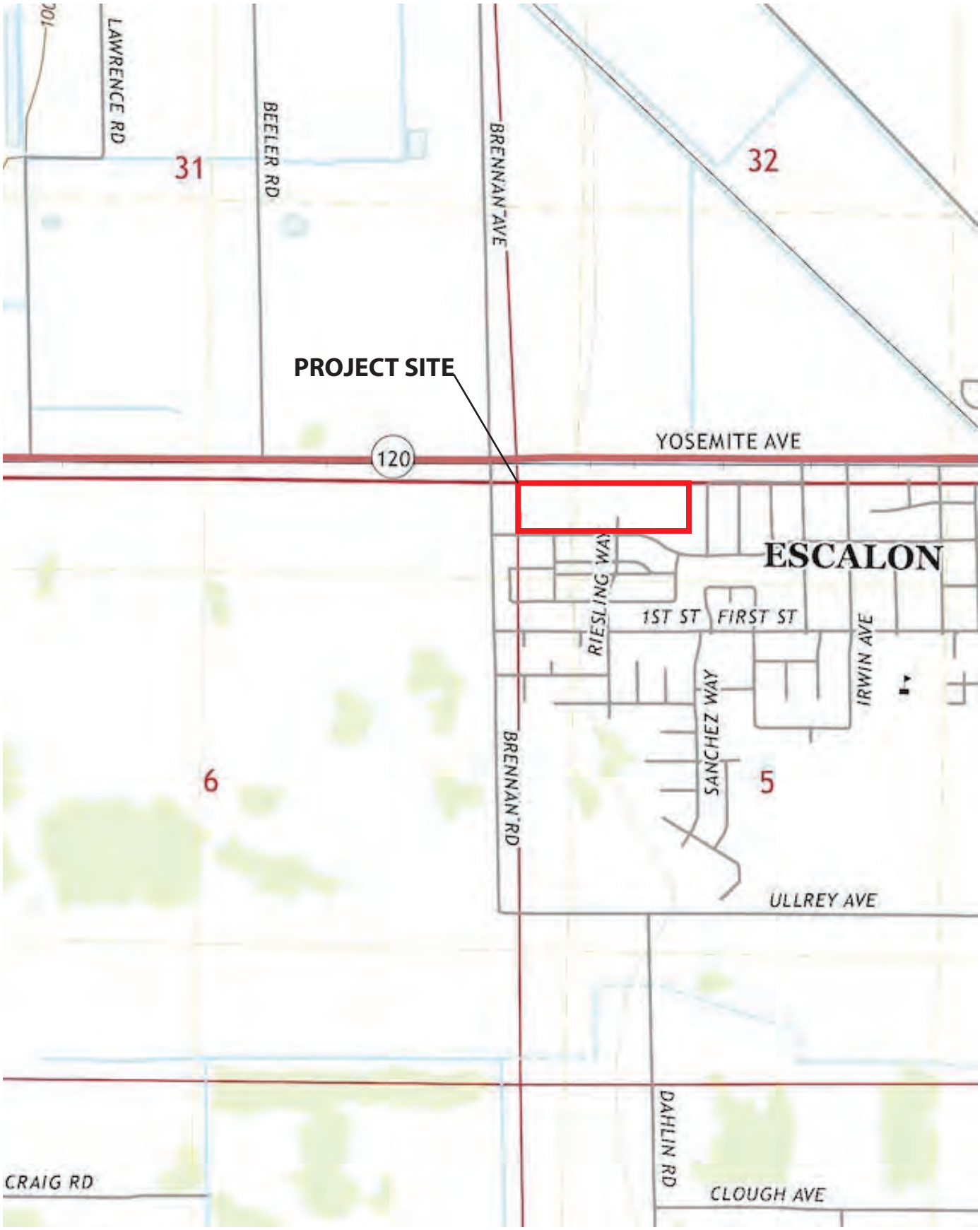

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Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
Project: Murphy Ranch, T2S R9E NW ¼ Section 5, APNs 225-040-28 & 225-040-29

Krista Simpson
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802 West Lodi Ave.
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209-224-8213 ksimpson@basecampenv.com

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Attachment

CITY OF
ESCALON
2060 McHenry Avenue
Escalon, CA 95320

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Ione Band of Miwok Indians
Sara Dutschke, Chariperson
9252 Bush Street
Plymouth, Ca. 95669

CITY OF ESCALON

DEVELOPMENT SERVICES

2060 McHenry Avenue ▪ Escalon, California 95320 ▪ Office 209.691-7422 Fax 209.691-7439

April 26, 2024

Northern Valley Yokut/Ohlone Tribe
Timothy Perez, Tribal Compliance Officer
P.O. Box 717
Linden, Ca. 95236

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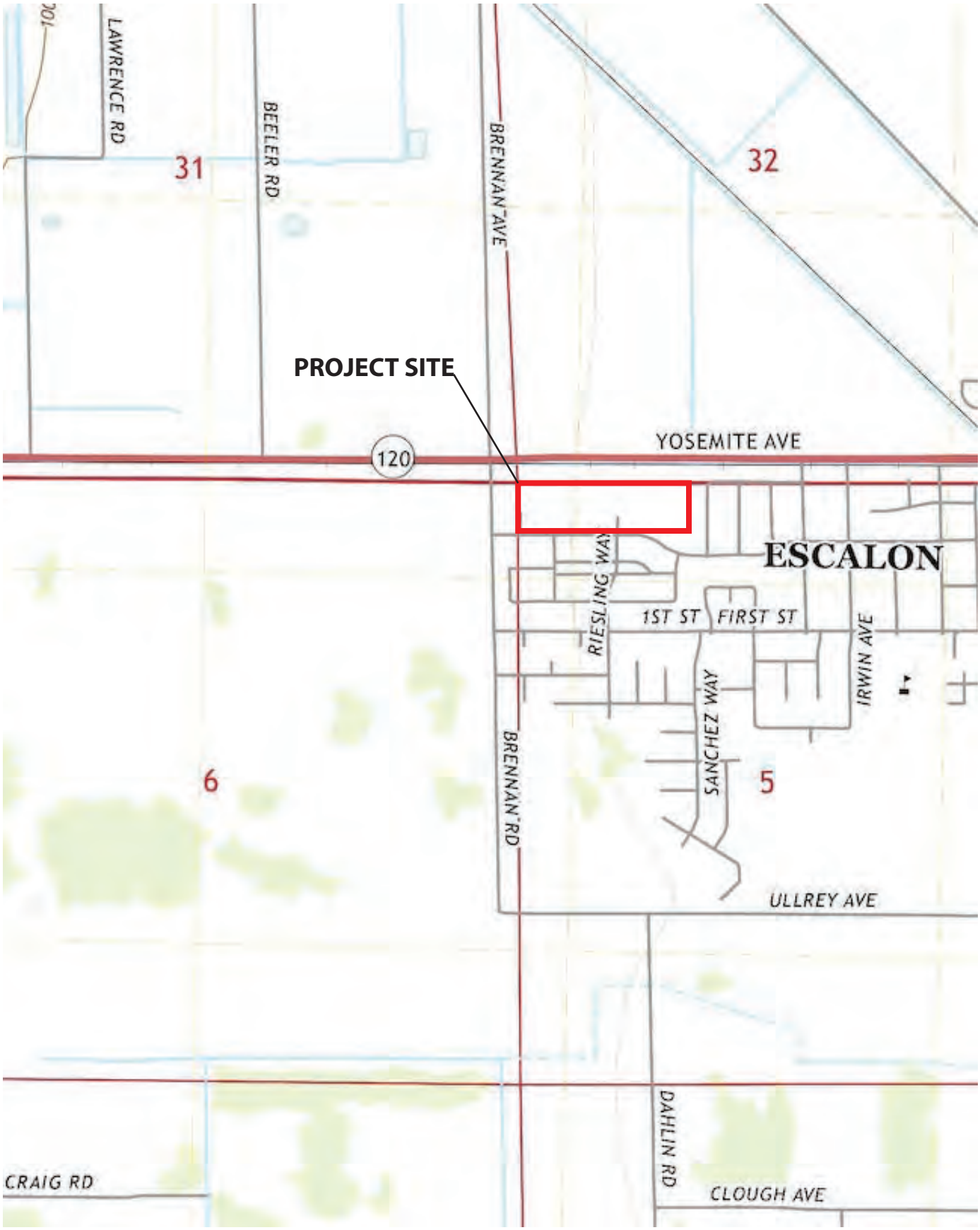

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Search of our files includes review of our maps for the specific project area and the immediate vicinity of the project area, and review of the following:

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Recommendations/Comments:

Please be advised that a historical resource is defined as a building, structure, object, prehistoric or historic archaeological site, or district possessing physical evidence of human activities over 45 years old. Since the project area has not been subject to previous investigations, there may be unidentified features involved in your project that are 45 years or older and considered as historical resources requiring further study and evaluation by a qualified professional of the appropriate discipline.

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E. A. Greathouse

E. A. Greathouse, Coordinator
Central California Information Center
California Historical Resources Information System

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NATIVE AMERICAN HERITAGE COMMISSION

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NAHC HEADQUARTERS
1550 Harbor Boulevard
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California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

January 12, 2024

Diana Trejo
City of Escalon

***Via Email to*: dtrejo@cityofescalon.org**

Re: General Plan Amendment - Housing Element Update Project, San Joaquin County

Dear Ms. Trejo:

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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: Pricilla.Torres-Fuentes@nahc.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

CITY OF
ESCALON
2060 McHenry Avenue
Escalon, CA 95320

UNITED STATES POSTAGE
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MAILED FROM ZIP CODE 95320

Northern Valley Yokut/Ohlone Tribe
Timothy Perez, Tribal Compliance Officer
P.O. Box 717
Linden, Ca. 95236

CITY OF ESCALON

DEVELOPMENT SERVICES

2060 McHenry Avenue ▪ Escalon, California 95320 ▪ Office 209.691-7422 Fax 209.691-7439

April 26, 2024

Tule River Indian Tribe
Joey Garfield, Tribal Archaeologist
P.O. Box 589
Porterville, Ca. 93258

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch Specific Plan

Dear Cultural Preservation Department,

The City of Escalon is considering approval of the approval of a Specific Plan to guide the development of two parcels, totaling 17.98 acres, which are proposed to be subdivided into 73 lots for single-family residential development. The project site is in unincorporated San Joaquin County adjacent to the western city limits of Escalon (see attached figures).

Your tribe has been identified as a possible interested party in this project by the Native American Heritage Commission (NAHC) in a letter related to a separate Escalon project dated January 12, 2024 (copy attached).

California Assembly Bill 52 (AB52) requires that CEQ Lead Agencies notify tribes that have requested AB52 notification of any project that the tribe may request consultation. No known tribes have requested notification from the City of Escalon. The City has, however, decided to provide this notification to potentially-interested tribes identified by the NAHC.

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Attached is a record search obtained from the Central California Information Center (CCIC) indicating there are no recorded resources of known sensitivity on or near the project site.

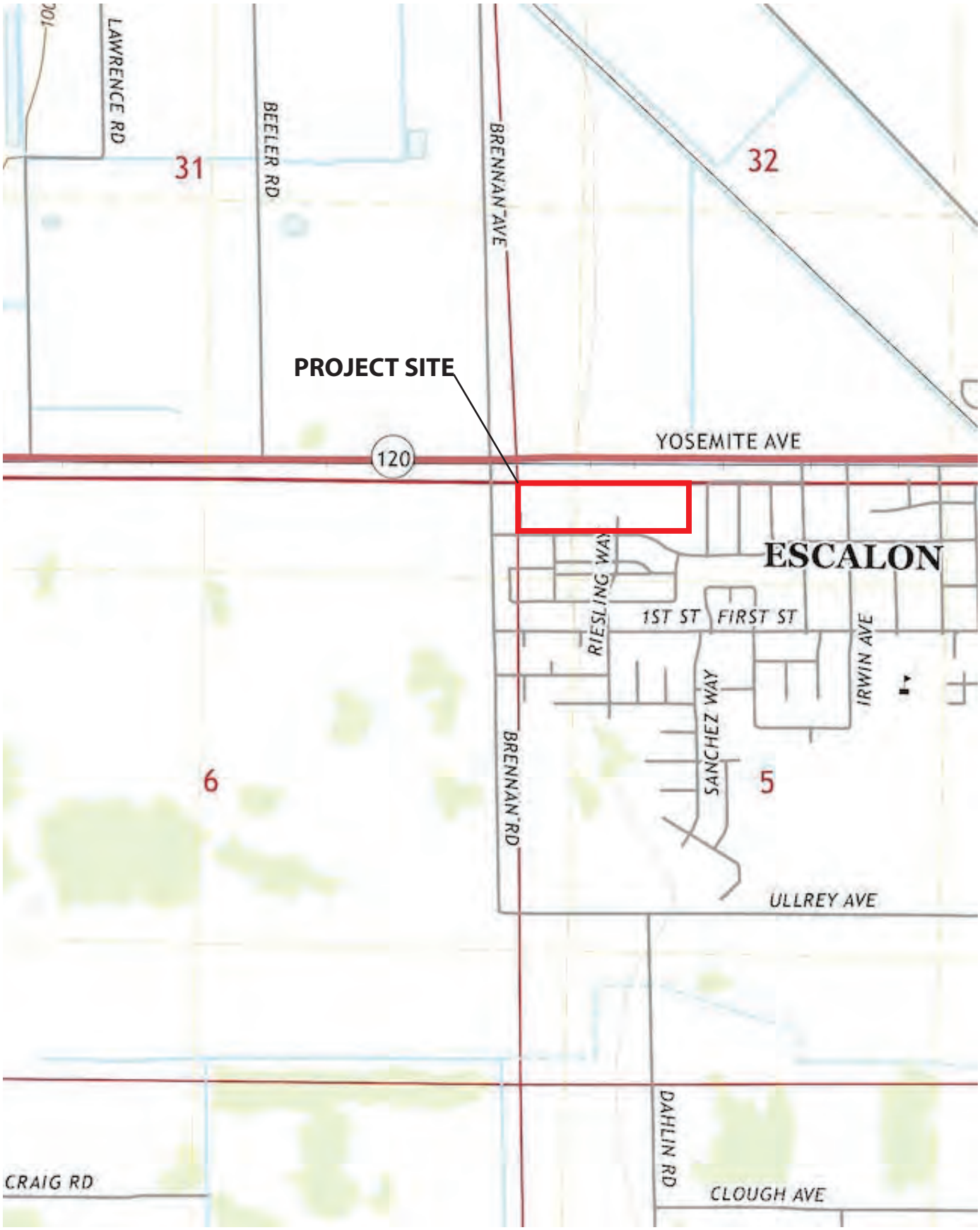
If the tribe desires to consult on this project, please send a written response to Diana Trejo, Assistant Planner, City of Escalon, 2060 McHenry Avenue, Escalon, CA 95320. In your response, please designate the lead contact person for this consultation, along with contact information. If you have any questions, please contact me at (209) 691-7422.

Sincerely,

Diana Trejo

Diana Trejo, Assistant Planner, City of Escalon

- Location Map
- CCIC Report
- NAHC Letter (Escalon Project)



SOURCE: USGS Quadrangle Map, Avena CA , 2021

CENTRAL CALIFORNIA INFORMATION CENTER
California Historical Resources Information System
Department of Anthropology – California State University, Stanislaus
One University Circle, Turlock, California 95382
(209) 667-3307

Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
Project: Murphy Ranch, T2S R9E NW ¼ Section 5, APNs 225-040-28 & 225-040-29

Krista Simpson
BaseCamp Environmental, Inc.
802 West Lodi Ave.
Lodi, CA 95240
209-224-8213 ksimpson@basecampenv.com

Invoice to: rbeck@basecampenv.com

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January 12, 2024

Diana Trejo
City of Escalon

***Via Email to*: dtrejo@cityofescalon.org**

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Pricilla Torres-Fuentes

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Cultural Resources Analyst

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Joey Garfield, Tribal Archaeologist
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RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch Spe

CITY OF ESCALON

DEVELOPMENT SERVICES

2060 McHenry Avenue ▪ Escalon, California 95320 ▪ Office 209.691-7422 Fax 209.691-7439

April 26, 2024

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Neil Peyron, Chairperson
P.O. Box 589
Porterville, Ca. 93258

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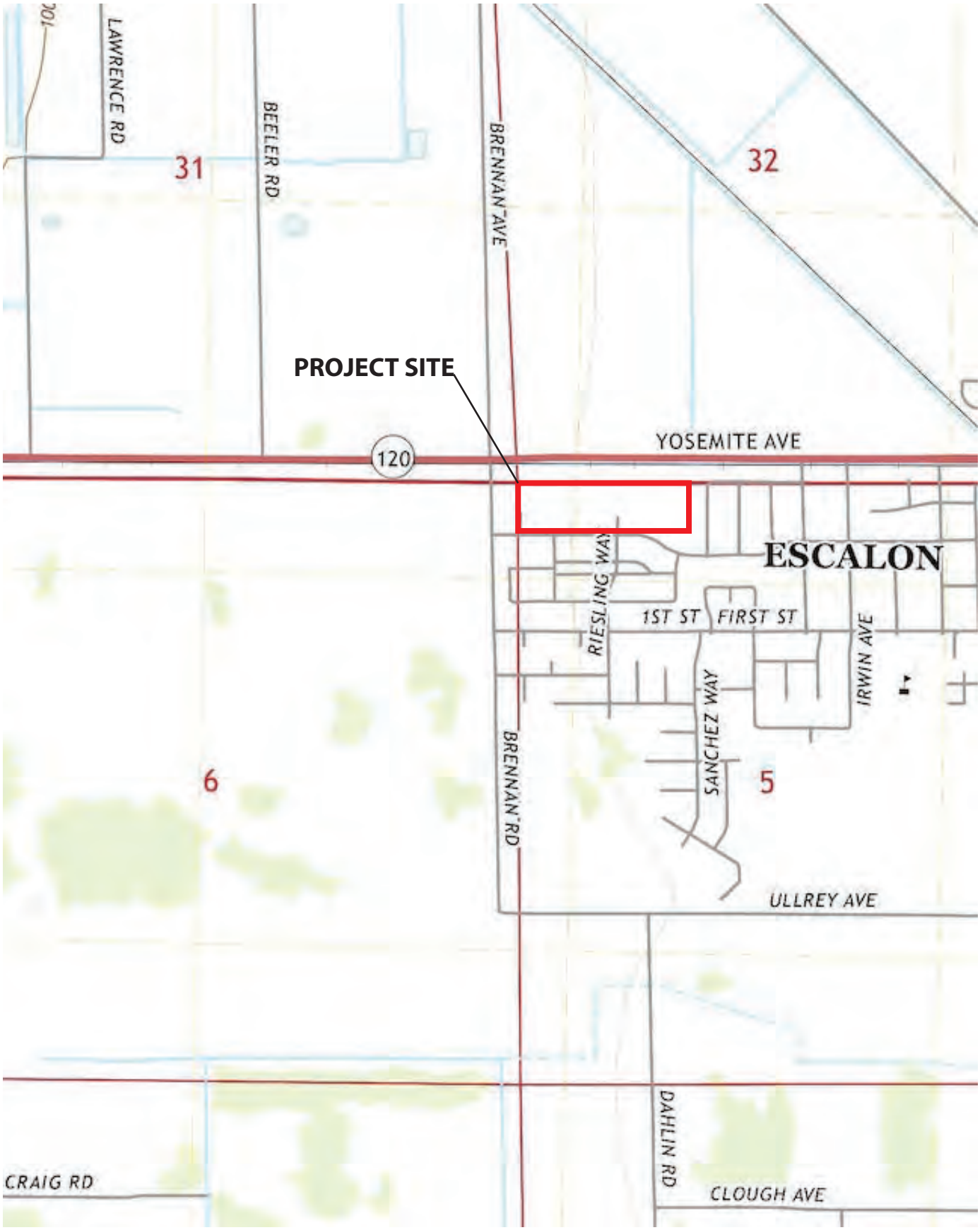

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Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
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Krista Simpson
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If you have any questions or need additional information, please contact me at my email address: Pricilla.Torres-Fuentes@nahc.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

CITY OF
ESCALON
2060 McHenry Avenue
Escalon, CA 95320



Tule River Indian Tribe
Neil Peyron, Chairperson
P.O. Box 589
Porterville, Ca. 93258

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch

CITY OF ESCALON

DEVELOPMENT SERVICES

2060 McHenry Avenue ▪ Escalon, California 95320 ▪ Office 209.691-7422 Fax 209.691-7439

April 26, 2024

Tule River Indian Tribe
Kerri Vera, Environmental Department
P.O. Box 589
Porterville, Ca. 93258

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch Specific Plan

Dear Cultural Preservation Department,

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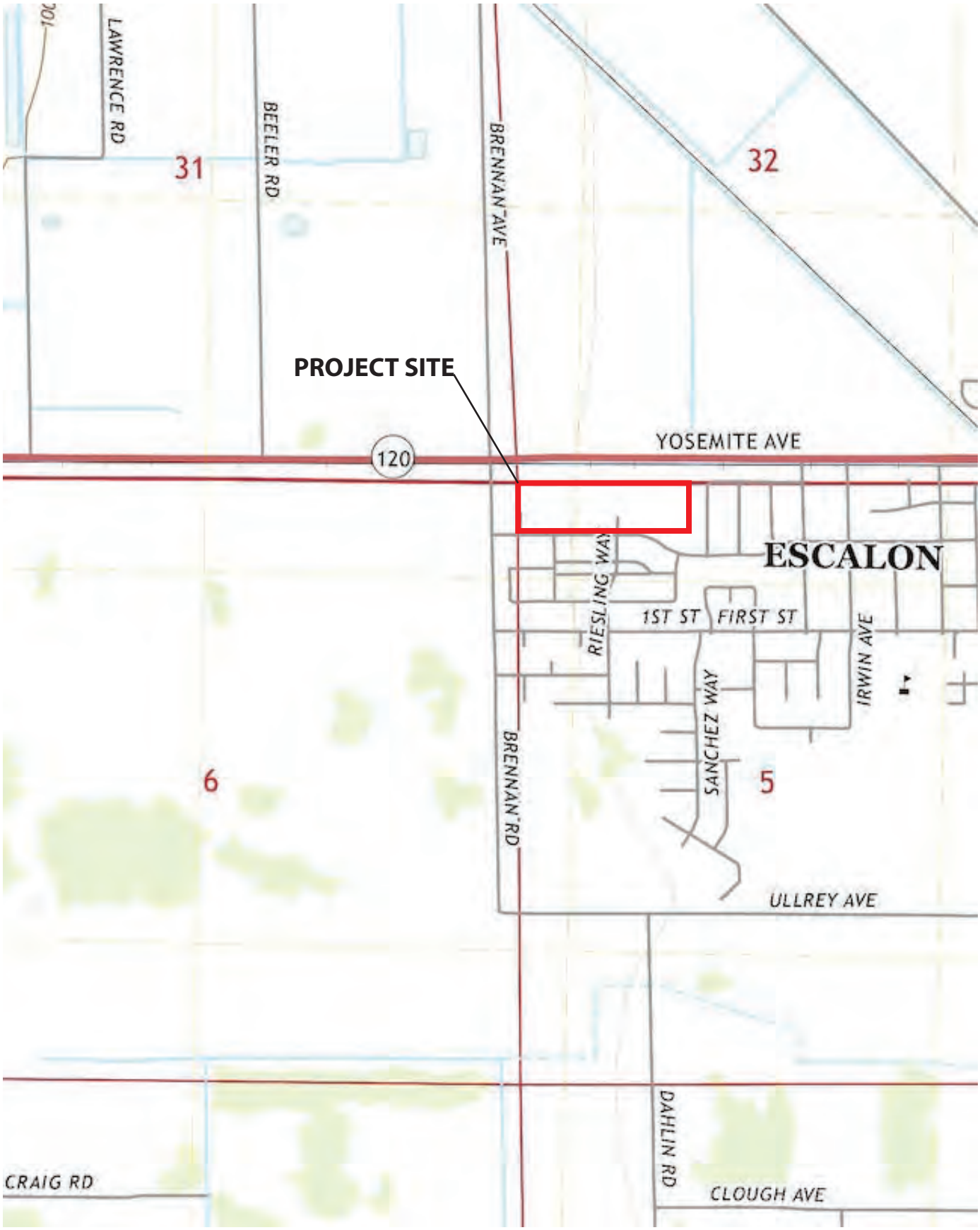
Diana Trejo, Assistant Planner, City of Escalon

- Location Map
- CCIC Report
- NAHC Letter (Escalon Project)



SOURCE: USGS Quadrangle Map, Avena CA , 2021

CENTRAL CALIFORNIA INFORMATION CENTER
California Historical Resources Information System
Department of Anthropology – California State University, Stanislaus
One University Circle, Turlock, California 95382
(209) 667-3307

Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
Project: Murphy Ranch, T2S R9E NW ¼ Section 5, APNs 225-040-28 & 225-040-29

Krista Simpson
BaseCamp Environmental, Inc.
802 West Lodi Ave.
Lodi, CA 95240
209-224-8213 ksimpson@basecampenv.com

Invoice to: rbeck@basecampenv.com

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Search of our files includes review of our maps for the specific project area and the immediate vicinity of the project area, and review of the following:

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The following details the results of the records search:

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Resources that are known to have value to local cultural groups: None has been formally reported to the Information Center.

Previous investigations within the project area: None has been formally reported to the Information Center.

Recommendations/Comments:

Please be advised that a historical resource is defined as a building, structure, object, prehistoric or historic archaeological site, or district possessing physical evidence of human activities over 45 years old. Since the project area has not been subject to previous investigations, there may be unidentified features involved in your project that are 45 years or older and considered as historical resources requiring further study and evaluation by a qualified professional of the appropriate discipline.

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We thank you for contacting this office regarding historical resource preservation. Please let us know when we can be of further service. Thank you for sending the **Access Agreement Short Form.**

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E. A. Greathouse, Coordinator
Central California Information Center
California Historical Resources Information System

* Invoice Request sent to: ARBilling@csustan.edu, CSU Stanislaus Financial Services

NATIVE AMERICAN HERITAGE COMMISSION

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NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

January 12, 2024

Diana Trejo
City of Escalon

***Via Email to*: dtrejo@cityofescalon.org**

Re: General Plan Amendment - Housing Element Update Project, San Joaquin County

Dear Ms. Trejo:

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CITY OF ESCALON

DEVELOPMENT SERVICES

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April 26, 2024

Wilton Rancheria
Dahlton Brown, Executive Director of Administration
9728 Kent Street
Elk Grove, Ca. 95624

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch Specific Plan

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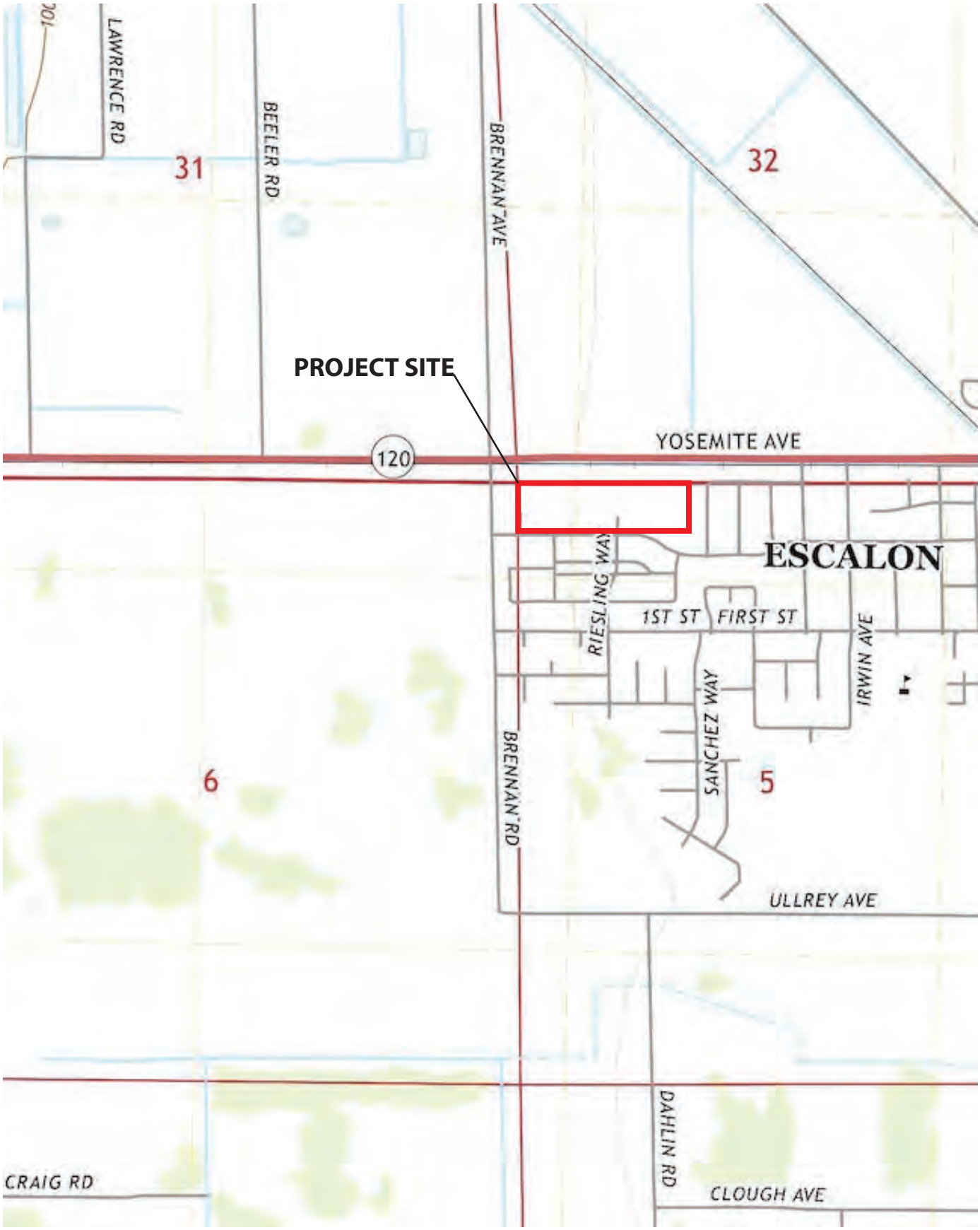

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January 12, 2024

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City of Escalon

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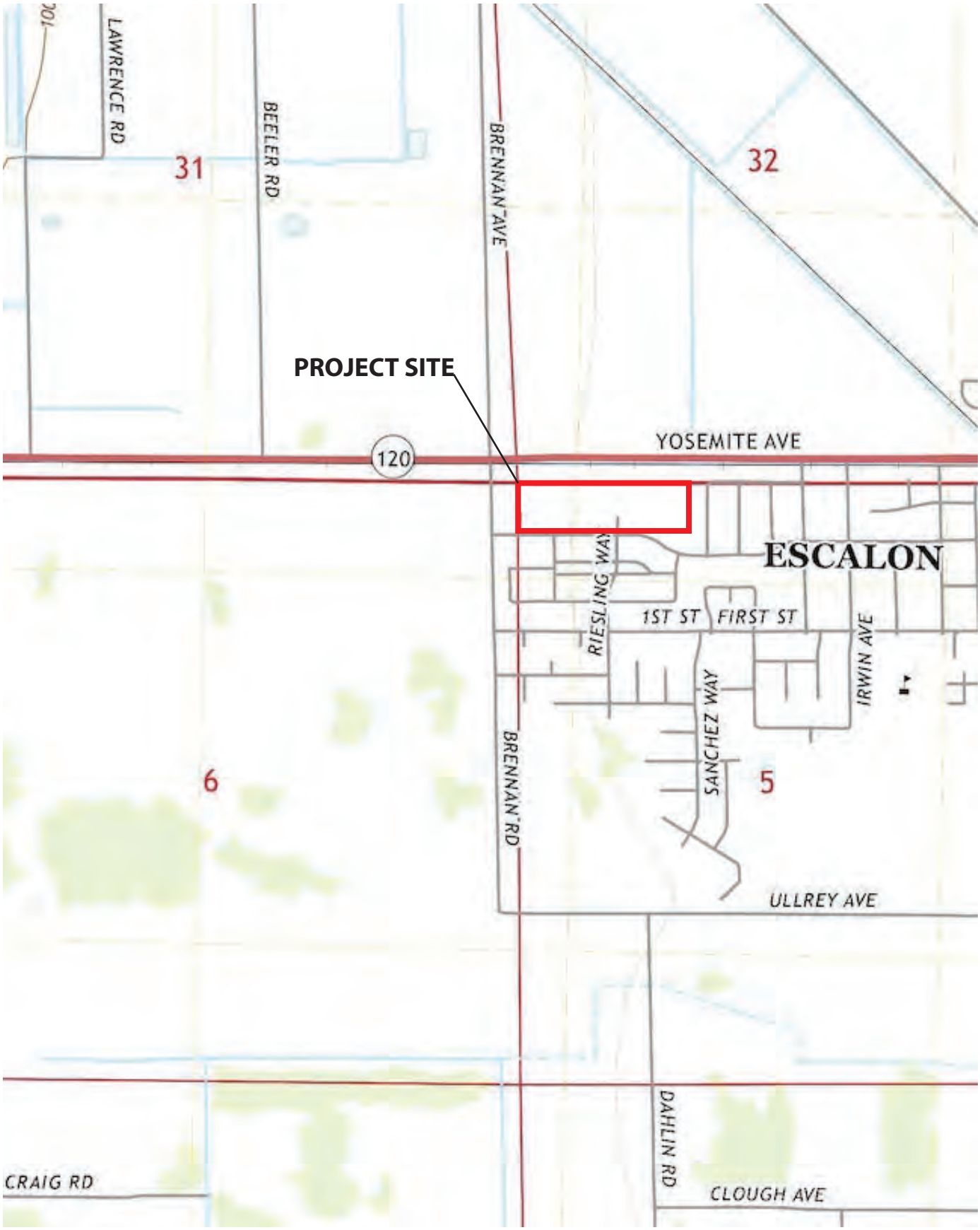

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E. A. Greathouse

E. A. Greathouse, Coordinator
Central California Information Center
California Historical Resources Information System

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NAHC HEADQUARTERS
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California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

January 12, 2024

Diana Trejo
City of Escalon

***Via Email to*: dtrejo@cityofescalon.org**

Re: General Plan Amendment - Housing Element Update Project, San Joaquin County

Dear Ms. Trejo:

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If you have any questions or need additional information, please contact me at my email address: Pricilla.Torres-Fuentes@nahc.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

CITY OF
ESCALON
2060 McHenry Avenue
Escalon, CA 95320



Wilton Rancheria
Cultural Preservation Department
9728 Kent Street
Elk Grove, Ca. 95624

CITY OF ESCALON

DEVELOPMENT SERVICES

2060 McHenry Avenue ▪ Escalon, California 95320 ▪ Office 209.691-7422 Fax 209.691-7439

April 26, 2024

Wilton Rancheria
Herbert Griffin, Executive Director of Cultural Preservation
9728 Kent Street
Elk Grove, Ca. 95624

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch Specific Plan

Dear Cultural Preservation Department,

The City of Escalon is considering approval of the approval of a Specific Plan to guide the development of two parcels, totaling 17.98 acres, which are proposed to be subdivided into 73 lots for single-family residential development. The project site is in unincorporated San Joaquin County adjacent to the western city limits of Escalon (see attached figures).

Your tribe has been identified as a possible interested party in this project by the Native American Heritage Commission (NAHC) in a letter related to a separate Escalon project dated January 12, 2024 (copy attached).

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The City of Escalon is the CEQA Lead Agency for the proposed project and hereby provides the tribe with notice. The tribe has 30 days from receipt of this letter to indicate if it wishes to consult on this project. If no response is received, it will be assumed that the tribe declines consultation.

Attached is a record search obtained from the Central California Information Center (CCIC) indicating there are no recorded resources of known sensitivity on or near the project site.

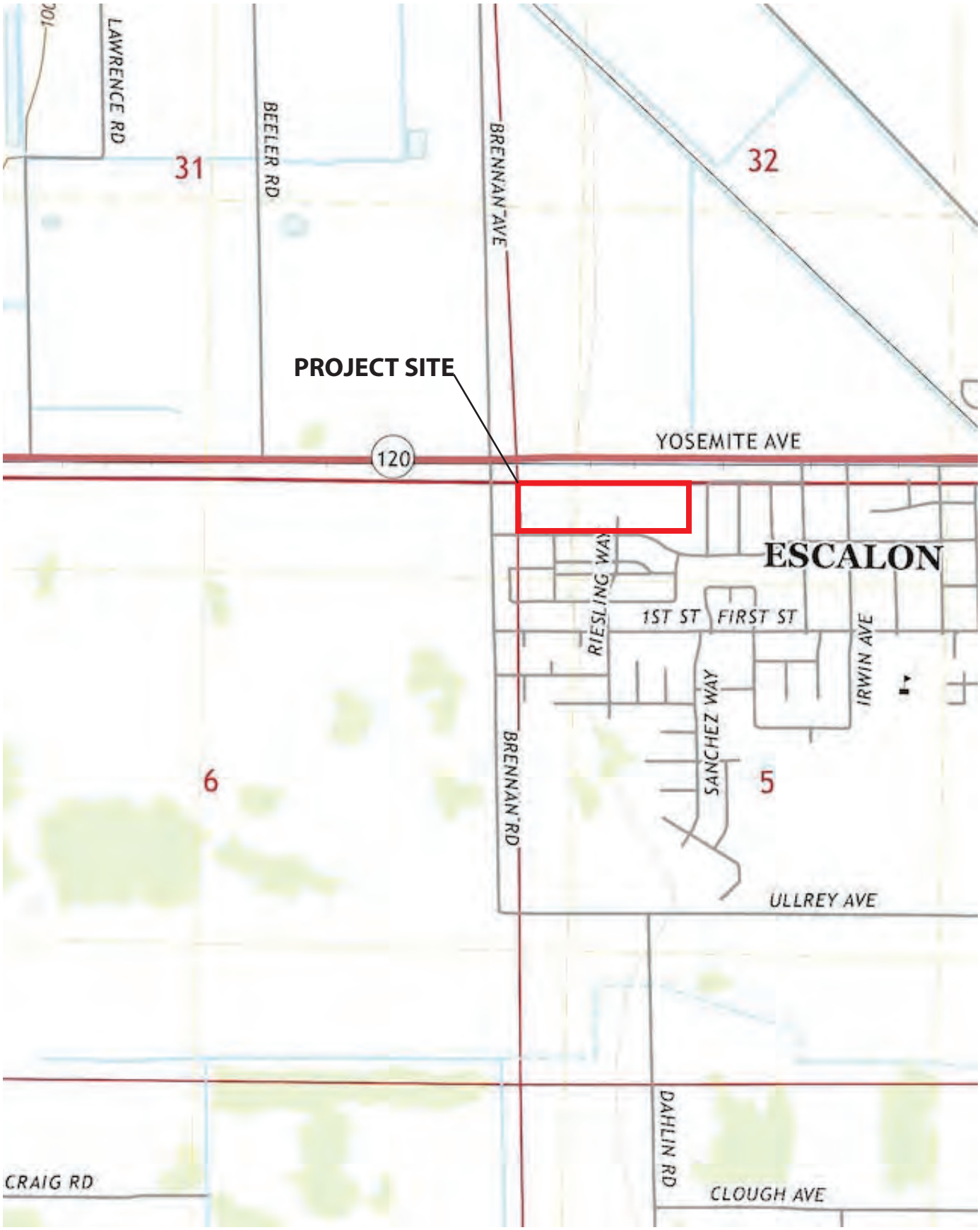
If the tribe desires to consult on this project, please send a written response to Diana Trejo, Assistant Planner, City of Escalon, 2060 McHenry Avenue, Escalon, CA 95320. In your response, please designate the lead contact person for this consultation, along with contact information. If you have any questions, please contact me at (209) 691-7422.

Sincerely,

Diana Trejo

Diana Trejo, Assistant Planner, City of Escalon

- Location Map
- CCIC Report
- NAHC Letter (Escalon Project)



SOURCE: USGS Quadrangle Map, Avena CA , 2021

CENTRAL CALIFORNIA INFORMATION CENTER
California Historical Resources Information System
Department of Anthropology – California State University, Stanislaus
One University Circle, Turlock, California 95382
(209) 667-3307

Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
Project: Murphy Ranch, T2S R9E NW ¼ Section 5, APNs 225-040-28 & 225-040-29

Krista Simpson
BaseCamp Environmental, Inc.
802 West Lodi Ave.
Lodi, CA 95240
209-224-8213 ksimpson@basecampenv.com

Invoice to: rbeck@basecampenv.com

Dear Ms. Simpson:

We have conducted a non-confidential extended records search as per your request for the above-referenced project area located on the Avena USGS 7.5-minute quadrangle map in San Joaquin County.

Search of our files includes review of our maps for the specific project area and the immediate vicinity of the project area, and review of the following:

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Caltrans State and Local Bridges Inventory
General Land Office Plats
Other pertinent historic data available at the CCaIC for each specific county

The following details the results of the records search:

Prehistoric or historic resources within the project area:

- There are no formally recorded prehistoric or historic archaeological resources or historic buildings or structures within the project area.

- The General Land Office survey plat for T2S R9E (dated 1854) shows the NW ¼ of Section 5 divided into two parcels: 80.7 acres in the north half and 80 acres in the south half.

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- The 1952 edition of the Avena USGS quadrangle also references two buildings within the project that would be 71 years in age (or older), considered as possible historical resources. We have no further information on file regarding these buildings.

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Resources that are known to have value to local cultural groups: None has been formally reported to the Information Center.

Previous investigations within the project area: None has been formally reported to the Information Center.

Recommendations/Comments:

Please be advised that a historical resource is defined as a building, structure, object, prehistoric or historic archaeological site, or district possessing physical evidence of human activities over 45 years old. Since the project area has not been subject to previous investigations, there may be unidentified features involved in your project that are 45 years or older and considered as historical resources requiring further study and evaluation by a qualified professional of the appropriate discipline.

If the current project does not include ground disturbance, further study for archaeological resources is not recommended at this time. If ground disturbance is considered a part of the current project, we recommend further review for the possibility of identifying prehistoric or historic-era archaeological resources.

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January 12, 2024

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UNITED STATES POSTAGE
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0000931850 APR 26 2024
MAILED FROM ZIP CODE 95320

Wilton Rancheria
Herbert Griffin, Executive Director of Cultural Preservation
9728 Kent Street
Elk Grove, Ca. 95624

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch

CITY OF ESCALON

DEVELOPMENT SERVICES

2060 McHenry Avenue ▪ Escalon, California 95320 ▪ Office 209.691-7422 Fax 209.691-7439

April 26, 2024

Wuksachi Indian Tribe/Eshom Valley Band
Kenneth Woodrow, Chairperson
1179 Rock Haven Ct.
Salinas, Ca. 93906

RE: AB 52 Tribal Cultural Resource Consultation, Murphy Ranch Specific Plan

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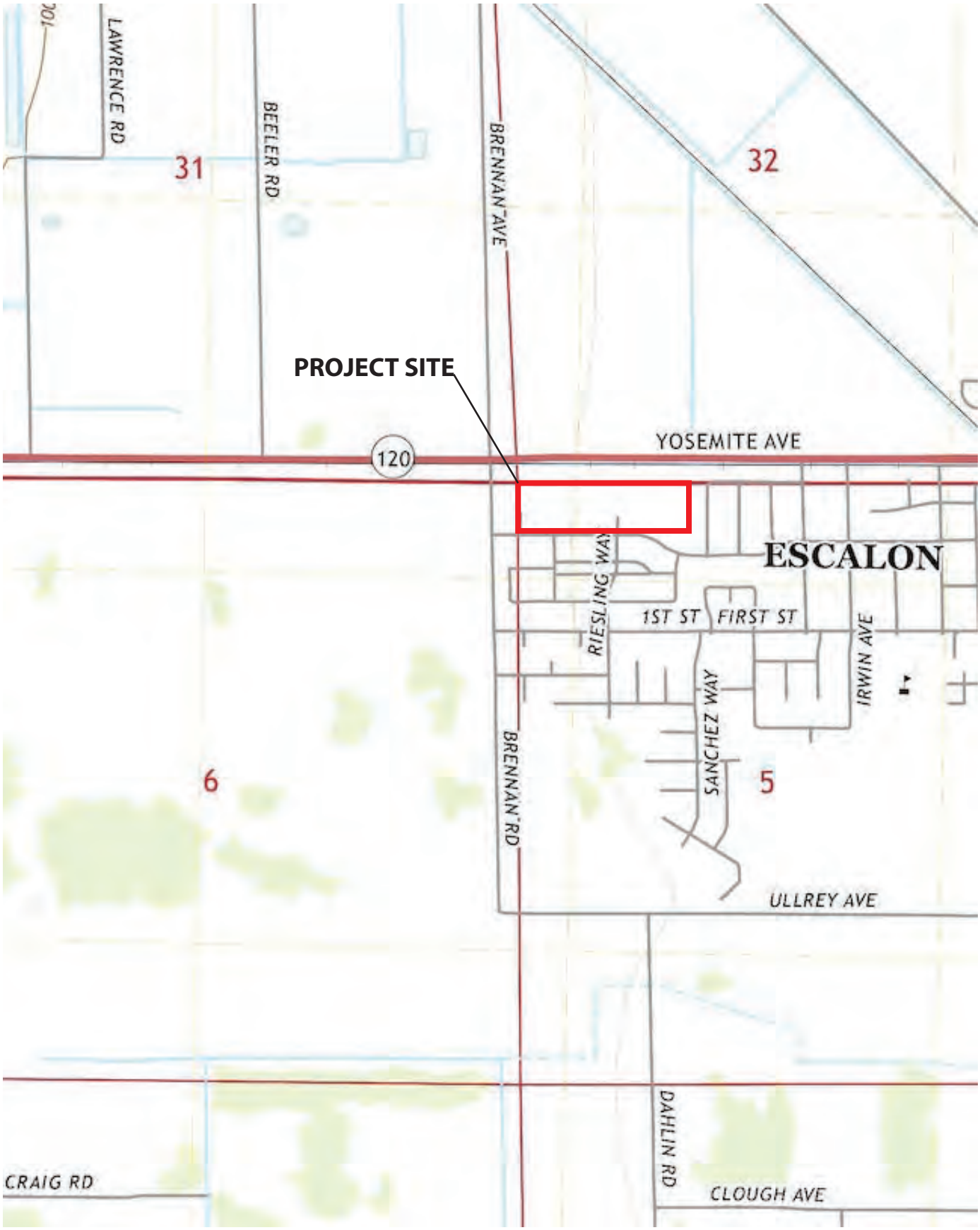

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Alpine, Calaveras, Mariposa, Merced, San Joaquin, Stanislaus & Tuolumne Counties

Date: 8/10/2023

Records Search File #: 12627L
Project: Murphy Ranch, T2S R9E NW ¼ Section 5, APNs 225-040-28 & 225-040-29

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January 12, 2024

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***Via Email to*: dtrejo@cityofescalon.org**

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